

FAMOUS LAST WORDS **"SHOOT ME, YOU COWARD"**

# HISTORY

## REVEALED

BRINGING THE PAST TO LIFE

ISSUE 10 // DECEMBER 2014 // £3.99

THE CRUSADERS'  
DARKEST HOUR

THE PLOT TO  
KILL HITLER

# GREAT EXPLORERS OF THE TUDOR AGE

**PLUS**

THE IRISH  
POTATO FAMINE

ROMAN SIEGES

JOHN LENNON

1919 SPANISH  
FLU EPIDEMIC

THE RACE TO DISCOVER THE WORLD, FROM  
CHRISTOPHER COLUMBUS TO SIR FRANCIS DRAKE

28-PAGE  
'AGE OF  
DISCOVERY'  
SPECIAL

IMMEDIATE  
MEDIA

9 772054 614007

10 >

REVENGE OF  
THE SAMURAI  
The 47 Ronin



EQUIANO

The slave who  
wrote a best-seller

GIRLS ALLOWED

How women changed  
Britain between the wars



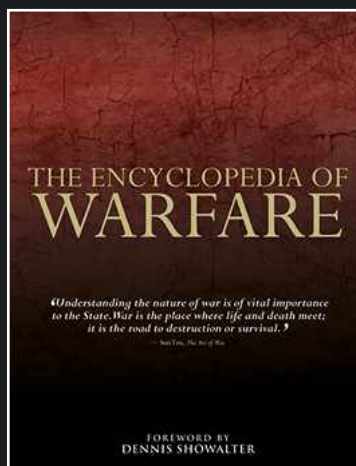
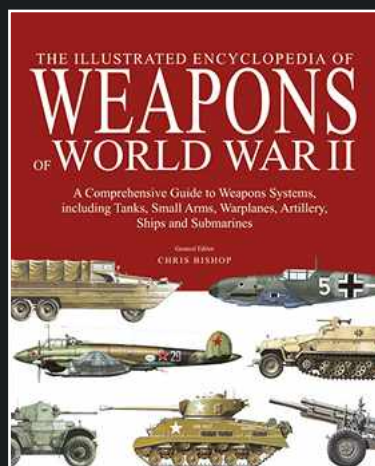
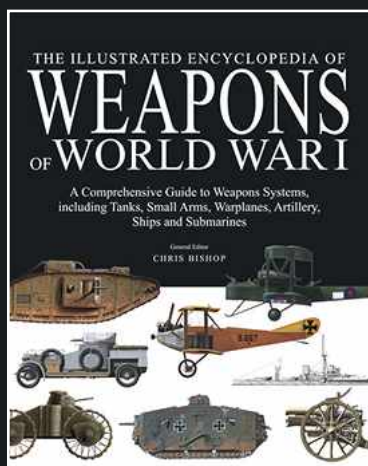
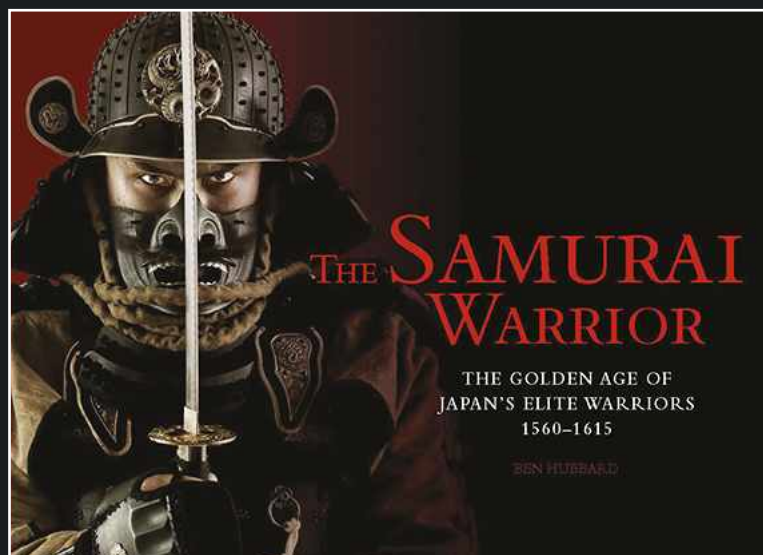
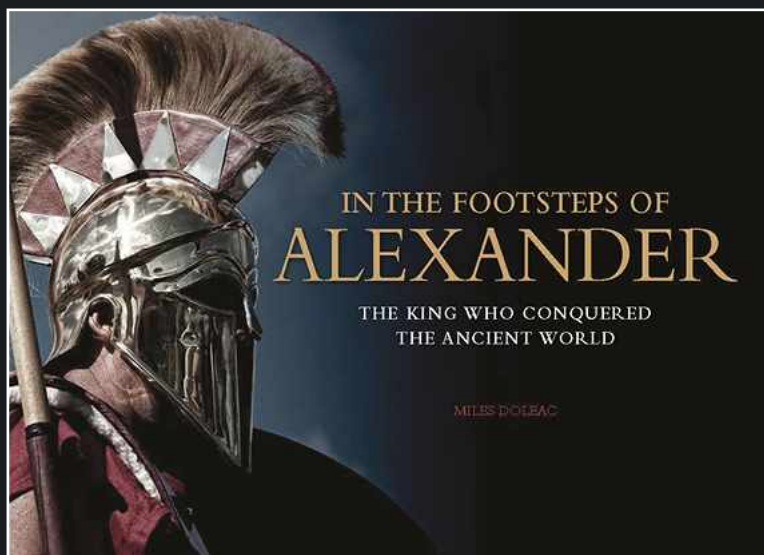


**FREE TO  
ENTER!**

[www.amberbooks.co.uk/competition](http://www.amberbooks.co.uk/competition)

**WIN OVER  
£200/\$350  
OF BOOKS**

# Great new titles from **Amber Books**



## ORDERING INFORMATION

**For customers in the USA  
and Canada:**

Casemate Publishers  
908 Darby Road  
Havertown, PA 19083  
(p)610-853-9131  
(f)610-853-9146  
[casemate@casematepublishing.com](mailto:casemate@casematepublishing.com)

**For customers in the UK  
and the rest of the world:**

Casemate UK  
10 Hythe Bridge St.  
Oxford OX1 2EW  
(p)+44 (01865) 241249  
(f)+44 (01865) 794449  
[casemate-uk@casematepublishing.co.uk](mailto:casemate-uk@casematepublishing.co.uk)

Many Amber titles are also available  
as eBooks. Visit our website for  
further details.

**amber  
BOOKS**

[www.amberbooks.co.uk](http://www.amberbooks.co.uk)  
Facebook: [www.facebook.com/amberbooks](https://www.facebook.com/amberbooks)  
Twitter: @amberbooks

Discover more at [www.amberbooks.co.uk](http://www.amberbooks.co.uk)

# Welcome



I remember well the sense of awe I felt when I first went aboard the replica of the *Matthew* that resides in Bristol harbour. The idea of **climbing aboard such a tiny, cramped vessel** and heading out to sea would fill me with dread today, so we can only imagine

how the crew felt when they headed west out of the port, not knowing even if they would **sail clean off the edge of the world**. We salute these intrepid explorers in our **biggest-ever cover feature**, which sets sail on page 26.

Just as these explorers set out into the unknown in search of new worlds, so we celebrate some of the **pioneers of human rights** elsewhere this issue. The freed African slave Equiano wrote a best-selling autobiography about his harrowing experiences, which changed many minds about the barbaric institution of **slavery in 18th-century Britain** (p78). And then there are the stories of the women who brought about huge leaps of change in **sexual equality between the wars** (p72).

We report from the crucial Battle of Hattin (p66), during the Crusades, and the failed 20 July **plot to assassinate**



Explore this replica of the *Matthew* at Bristol's historic harbour

**Hitler** in 1944. And then there's the extraordinary **true story of Samurai revenge** (p22) that inspired the recent movie, *47 Ronin*.

Finally, for those of you fancy getting out and about, the feature about ancient long barrows on page 90 should help you find the **history dotted around our countryside**.

Enjoy!

Paul McGuinness  
Editor

**Don't miss our Christmas issue, on sale 11 December**

## GET INVOLVED



Like us on Facebook:  
[facebook.com/HistoryRevealed](https://www.facebook.com/HistoryRevealed)



Follow us on Twitter:  
[twitter.com/HistoryRevMag](https://twitter.com/HistoryRevMag)



Email us:  
[haveyoursay@historyrevealed.com](mailto:haveyoursay@historyrevealed.com)



Or post: **Have Your Say**,  
*History Revealed*, Immediate  
Media, Tower House, Fairfax  
Street, Bristol BS1 3BN

## GET YOUR DIGITAL COPY



Did you know you can get a digital copy of *History Revealed* for iOS, Kindle Fire, PC or Mac?

Visit iTunes, Amazon or [zinio.com](http://zinio.com) to find out more.

## ON THE COVER

Your key to the big stories...



## THIS MONTH WE'VE LEARNED...

**32**

Number of volumes in *Encyclopedia Britannica*'s last-ever printed edition, in 2012. See page 18.

**3600 BC**

The age of West Kennet Long Barrow in Wiltshire, which was used as a burial site for around 1,100 years. See page 90.

**£10**

Reward money given by King Henry VII to John Cabot for discovering North America. See page 43.



# 26 EXPLORING NEW WORLDS

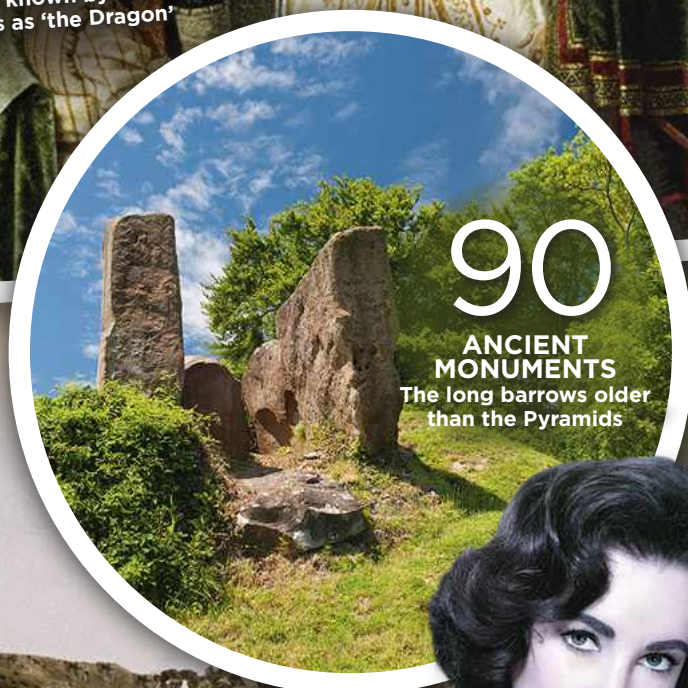
The race to discover the world in the Tudor age



## 48

### CROUCHING DRAGON

Sir Francis Drake – the sailor known by his enemies as ‘the Dragon’



## 90

### ANCIENT MONUMENTS

The long barrows older than the Pyramids

## 98

### A TOUCH OF GLAMOUR

Andrew Collins invites Elizabeth Taylor to dinner



## TIME CAPSULE

### THIS MONTH IN HISTORY...

#### Snapshots

Take a look at the big picture ..... 8

#### I Read the News Today

December, through the ages ..... 14

#### COVER STORY What Happened Next...

The 1919 Spanish Flu pandemic ..... 16

#### Graphic History

Encyclopædia Britannica ..... 18

#### COVER STORY Yesterday's Papers

The day John Lennon was shot ..... 20

#### COVER STORY The Extraordinary Tale of...

Revenge of the 47 ronin ..... 22

## THE BIG STORY

### COVER STORY GREAT EXPLORERS OF THE TUDOR AGE

The men who sailed off the edge of the map in pursuit of new lands ..... 26

#### Need to Know

Who went where and when, and what made them steer into the unknown? ..... 28

#### Who Discovered America?

Two explorers of a new continent who ended up on very different paths ..... 40

#### Timeline

The milestone events that defined the Age of Discovery ..... 46

#### England's Sea Dragon

How Sir Francis Drake sailed the world and won the praise of Elizabeth I ..... 48

## FEATURES

### DIGGING INTO HISTORY

#### COVER STORY Top 10: Famous Last Words

The most memorable words spoken from the deathbed ..... 54

#### COVER STORY Battlefield: Hattin

A crushing defeat for the Crusaders ..... 66

#### COVER STORY In Pictures: A Woman's Place...

The fight for sexual equality in the interwar years ..... 72

#### COVER STORY The History Makers: Olaudah Equiano

From slave to famed author and freedom fighter ..... 78

#### COVER STORY The Reel Story: Valkyrie

How a German officer tried to kill Adolf Hitler, and why he failed ..... 84





78

**FREEDOM FIGHTER**  
How Olaudah Equiano  
escaped slavery



72

**BETWEEN THE WARS**  
The changing place of  
women in British society



66

**CRUSADERS CATASTROPHE**  
Saladin hammers  
the Crusaders

84

**KILLING HITLER**  
The real plot of  
Operation Valkyrie

DECEMBER 2014

# CONTENTS

## Q&A

### Ask the Experts

Your questions answered.....56

### COVER STORY In a Nutshell

The Irish Potato Famine.....59

### How Did They do That?

Roman siege warfare.....60

### Design of the Times

Byzantine cavalymen.....62

## HERE & NOW

### On our Radar

Our pick of the exhibitions, activities,  
film and TV this month.....88

### How to Visit...

Long barrows.....90

### Books

The best new releases, plus read up on  
Roman Britain.....94

## EVERY ISSUE

Letters.....6

Crossword.....96

Next Issue.....97

Be My Guest.....98

## CHRISTMAS SPECIAL

## SUBSCRIPTION OFFER!

More details on  
**page 24**





# READERS' LETTERS

Get in touch – share your opinions on history and our magazine

## SAINT JOAN

I absolutely love your magazine because of how many topics it covers and how unbiased it is. One of my favourite areas of history at the moment is medieval Europe, specifically the Hundred Years War (September 2014). I love medieval warfare and the tacticians behind some of

land after the Hundred Years War because the English armies would have been too widely spread and would've been vulnerable to attacks from Scotland, Wales, revolt from the French people and possibly an attack from Spain.

## It seems as if Joan of Arc was a saviour for both France and England

the most famous battles like Agincourt and Poitiers.

I don't think it would've done England any good if they had owned vast amounts of French

land after the Hundred Years War because the English armies would have been too widely spread and would've been vulnerable to attacks from Scotland, Wales, revolt from the French people and possibly an attack from Spain.

With that in account, it seems as if Joan of Arc was a saviour for both France and England.  
**Glenn Armstrong, age 12, Hertfordshire**

LETTER OF THE MONTH



OH WHAT A LENGTHY WAR  
The Hundred Years War was 'The Big Story' in our



Glenn Armstrong wins *History of the World of Maps*. Published by Times Books, worth £50. With huge colour photos, this richly illustrated hardback explores the history of mapmaking and the ever-changing view of the world.

**f** I was so happy with this issue (October 2014), I have a little obsession with Elizabeth so it was great to read a few snippets I didn't know about her!  
Jemima PuddleDuck

## FORGOTTEN WARS

I was pleased to see your cover story in the November issue was the English Civil War, as this is becoming a forgotten period of British history. I read that 90 per cent of people could not name a single battle from the war, 80

per cent could not name the monarch who was executed as a result of the war, and 67 per cent of schoolchildren did not know who Oliver Cromwell was.

Articles and publications such as *History Revealed* can go a long way to changing this. The great thing about *History Revealed* is that it can appeal to any age group and to any level of understanding. All I can say is keep up the good work!

**Adam Oakley, Chaddesden, Derbyshire**

## Editor replies:

You're absolutely right – there is a risk of this period being overlooked. It may have something to do with the fact that there is a lot of misconception surrounding the wars.

The typical image of a metal-clad Roundhead facing a beautifully shod Cavalier is no longer reliable, and there is even doubt over what we name the period. Is it 'English Civil War', 'Wars of Three Kingdoms' or 'British Civil Wars'?

Hopefully, it is a part of British history that won't be lost, and there are plenty of societies around Britain putting on regular reenactments for us to enjoy.

**t** Loved the new issue out today. Always so much packed into one magazine, I really look forward to it.  
@Shar231983

## CONFLICTED OPINIONS

The Civil War is the subject of many misconceptions



## AROUND THE WORLD

Re 'Did the Ancients know the world was round?' (Q&A, August 2014), on a tour of the ancient city of Ephesus on the west coast of Turkey, our tour guide pointed out a large broken statue of a Greek god with his foot perched on the world – which was round.

**Jack, via email**

## SHARING STORIES

We went to Verona whilst on holiday in Italy and visited the 'Juliet Balcony' in the Capulet mansion. I already knew that the Capulet family was a real historical family as I had been told that they had ruled Sirmione whilst working in the area in the Medieval period.

We found that the location of Juliet's tomb was well signposted and at the entrance was a Chinese statue. The statue commemorates a couple in Ningbo who had an identical



story to Shakespeare's *Romeo and Juliet* ('The Greatest Loves of All', November 2014).

This makes me wonder about what contact there has been between China and the west over the years. I am given to believe that the Chinese have a flood legend that includes a man called Noh Wah building a boat. If this is true, it seems to show more contact between civilisations than we previously thought possible.

**John Grove**, via email

#### Editor replies:

It is strange when similar stories come from different sides of the world. The 'Butterfly Lovers' is one of China's most beloved folktales. Before things were written down, the only way stories and ideas spread was by word of mouth. This made travellers and merchants very important to the dissemination of ideas.

**Aztec Rituals, Cleopatra, Ypres... The November issue looks cram packed with things I need to know about!**  
@WWFun

#### VISITING PETRA

Firstly, congratulations. I have, until now not found a readable history magazine! I enjoy every word of yours.

I have been twice to Petra but nowhere could I find the meaning of Khaznah (Q&A,

November 2014). It is 'the Treasury'. I believe the modern meaning can also be used to mean safety deposit.

**Guy Alexander**, via email

**I am addicted to *History Revealed*, esp loved the article about Elizabeth 1. I have just finished reading a book about her by David Starkey. Fascinating woman...**  
Miranda Thibbaut

#### HISTORY FAN

I would like to say that your magazine is quite simply the best magazine I have ever read. It is amazing.

The content is superb and when reading the magazine, the reader is really spellbound by the fantastic features in the magazine.

Keep up the good work!

**Penny Anderson**, via email

**Buy this every month without fail. Always interesting content and keeps me riveted from cover to cover. Keep up the good work!**  
Valerie Quinn

#### WITHOUT MISSING A BEATLE

I don't know if anyone else did, but I noticed on the 1963 Beatles photo of the crowd with the policeman with his fingers in his ears (Snapshot, November 2014), behind him, on his left,

appears to be a young Paul McCartney! Here's to many more brilliant issues for me to enjoy!

**Ronnie Hancox**, via email

#### Editor replies:

Well spotted Ronnie – and the other readers who also pointed this out. I couldn't help but wonder whether anyone who was in that photo would see it, but as yet nobody has come forward...

**Bessie 1 is VERY Joan Crawford in @HistoryRevMag: "Her Majesty forbids the showing of any portraits which are ugly until they are improved."**  
@John\_Bizzell

#### CORRECTIONS – ISSUE 8

• On page 90 of 'How to visit Windmills', we unintentionally misplaced Cranbrook Union Mill in Kent. We said it stood on drained marshland, which is usually the case with a smock mill design, but Cranbrook is actually on solid ground at the top of a hill. Rupert Matthews says: "While the lightweight smock mill design was usually chosen due to unstable soil conditions, it is perfectly true that in this instance the design was chosen for other reasons."

#### CROSSWORD N° 7 WINNERS

The lucky winners of the crossword from issue 7 are:

**Hugh Woodcock**, County Antrim  
**Alan Gee**, Buckinghamshire  
**BM Dyson**, West Yorkshire  
Well done! You have each won ***Oscar Wilde's Scandalous Summer***, worth £20.  
Test your wits against this month's crossword on page 96.

#### GET IN TOUCH

##### HOW TO CONTACT US

**haveyoursay@historyrevealed.com**  
**facebook.com/HistoryRevealed**  
**twitter.com/HistoryRevMag**  
**Or post:**  
Have Your Say, *History Revealed*, Immediate Media, Tower House, Fairfax Street, Bristol BS1 3BN



#### FROM ME TO YOU

A young fan turns out to see his double on stage

## HISTORY REVEALED

Bringing the past to life

#### EDITORIAL

**Editor** Paul McGuinness  
paul.mcguinness@historyrevealed.com  
**Production Editor** Mel Woodward  
mel.woodward@historyrevealed.com  
**Staff Writer** Jonny Wilkes  
jonny.wilkes@historyrevealed.com

#### ART

**Art Editor** Sheu-Kuei Ho  
**Picture Editor** Rosie McPherson  
**Illustrators** Dawn Cooper, Jess Hibbert, Chris Stocker, TIDY Designs

#### CONTRIBUTORS & EXPERTS

Florence Belbin, Emily Brand, Mark Glancy, Lottie Goldfinch, Steve Hartill, Julian Humphrys, Greg Jenner, Pat Kinsella, Sean Lang, Rupert Matthews, Gordon O'Sullivan, Jeremy Pound, Kirsty Ralston, Miles Russell, Ellen Shlasko, Richard Smyth, Nige Tassell, Sue Wingrove

#### PRESS & PR

**Press Officer**  
Carolyn Wray 0117 314 8812  
carolyn.wray@immediate.co.uk

#### CIRCULATION

**Circulation Manager** Helen Seymour

#### ADVERTISING & MARKETING

**Senior Advertisement Manager**  
Steve Grigg steve.grigg@immediate.co.uk  
**Advertisement Manager**  
Lucy Moakes 0117 314 7426  
lucy.moakes@immediate.co.uk  
**Deputy Advertisement Manager**  
Sam Jones 0117 314 8847  
sam.jones@immediate.co.uk  
**Junior Brand Sales Executive**  
Jon Maney 0117 314 8754  
jon.maney@immediate.co.uk  
**Subscriptions Director**  
Jacky Perales-Morris  
**Marketing Executive** Gemma Burns

#### PRODUCTION

**Production Director** Sarah Powell  
**Production Co-ordinator**  
Emily Mounter  
**Ad Co-ordinator** Jade O'Halloran  
**Ad Designer** Rachel Shircore  
**Reprographics** Tony Hunt, Chris Sutcliffe  
**PUBLISHING**  
**Publisher** David Musgrove  
**Publishing Director** Andy Healy  
**Managing Director** Andy Marshall  
**Chairman** Stephen Alexander  
**Deputy Chairman** Peter Phippen  
**CEO** Tom Bureau

**Basic annual subscription rates**  
**UK** £51.87 **Eire/Europe** £56.25  
**ROW** £58

© Immediate Media Company Bristol 2014. All rights reserved. No part of *History Revealed* may be reproduced in any form or by any means either wholly or in part, without prior written permission of the publisher. Not to be resold, lent, hired out or otherwise disposed of by way of trade at more than the recommended retail price or in mutilated condition. Printed in the UK by William Gibbons Ltd. The publisher, editor and authors accept no responsibility in respect of any products, goods or services which may be advertised or referred to in this issue or for any errors, omissions, misstatements or mistakes in any such advertisements or references.

**IMMEDIATE MEDIA**







# TIME CAPSULE

THIS MONTH IN HISTORY

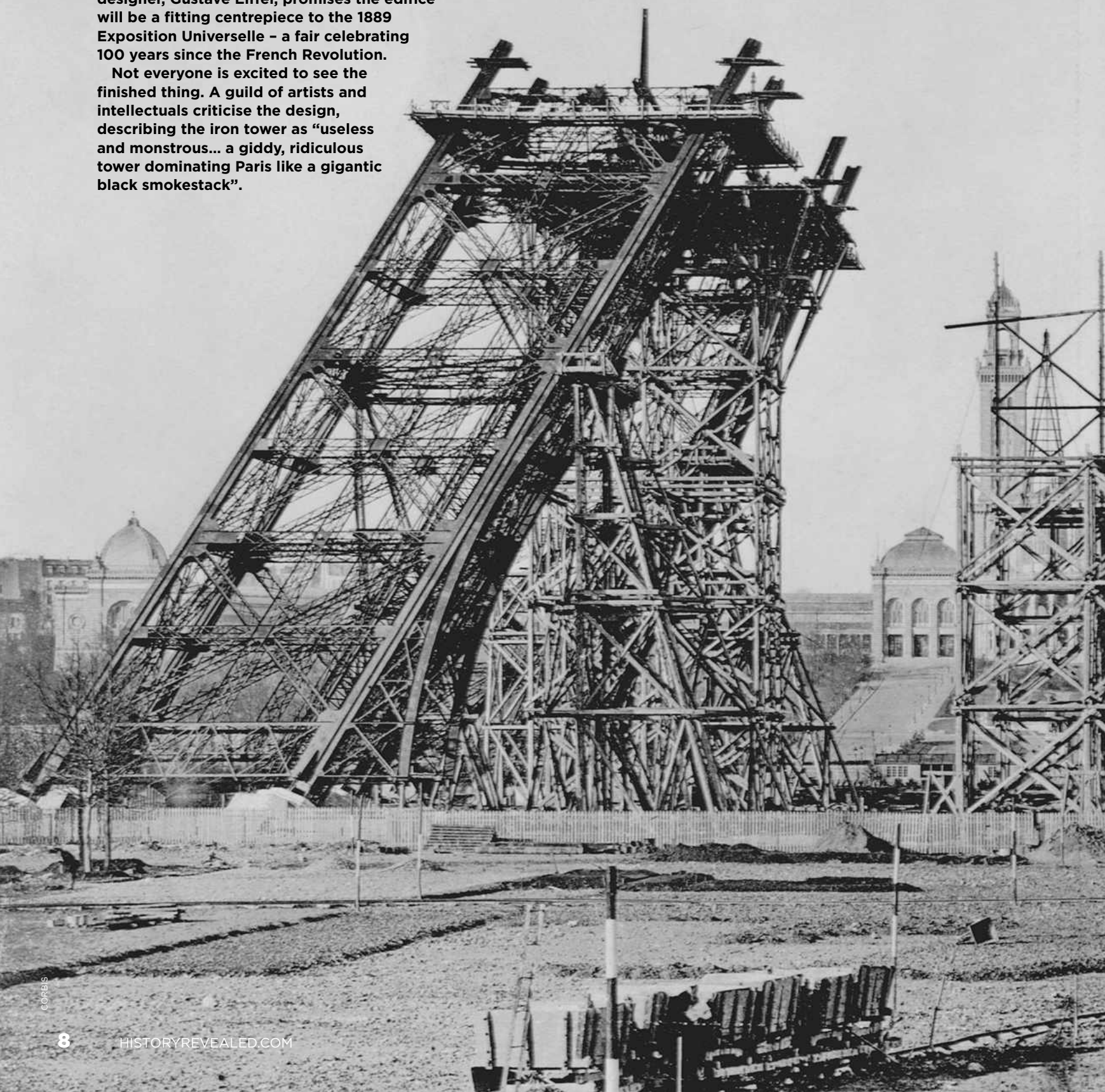
**SNAPSHOT**

## 1887

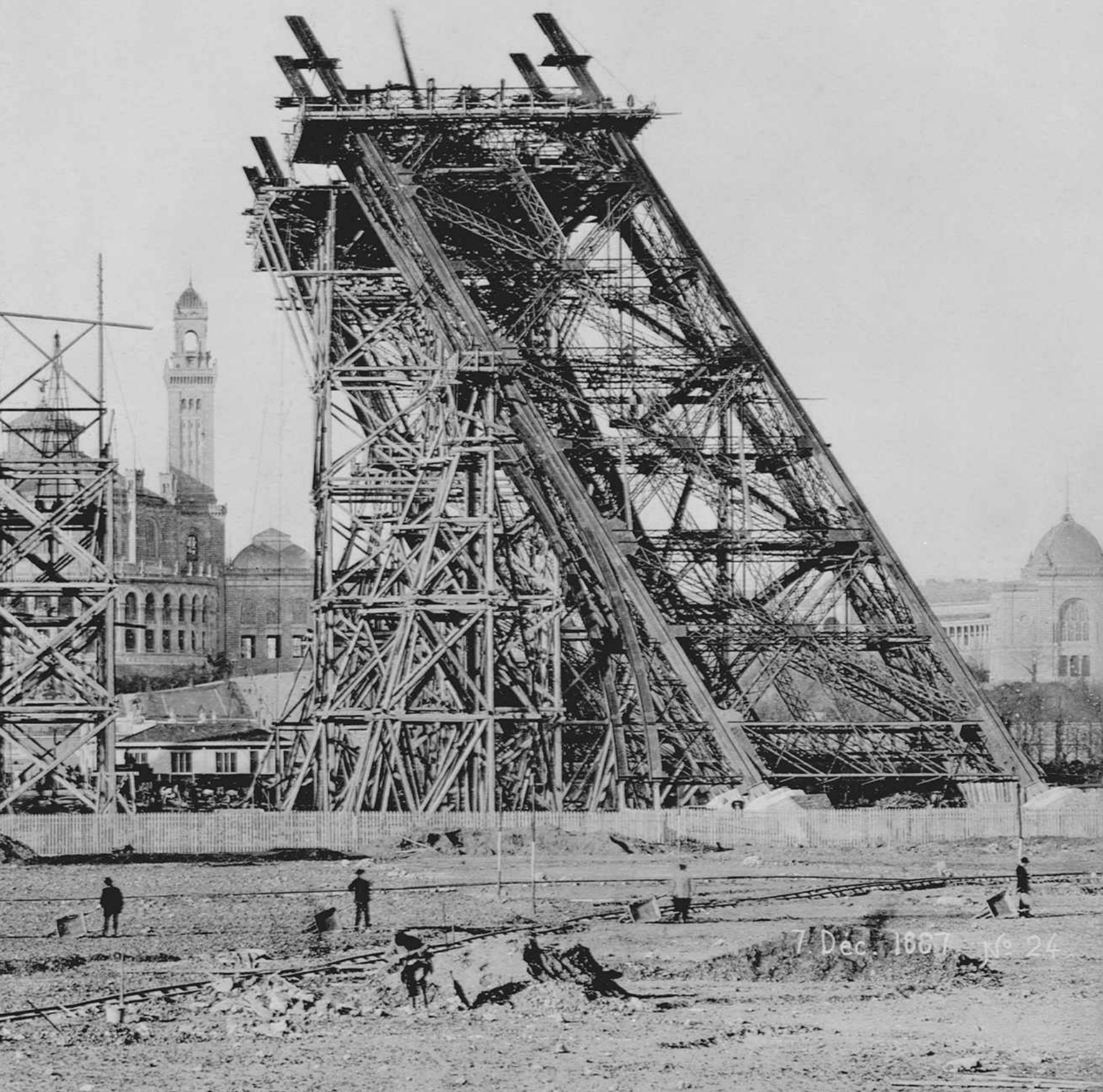
## A BIT OF LEG

The Eiffel Tower is nearly a year into construction when this photo is taken. Its designer, Gustave Eiffel, promises the edifice will be a fitting centrepiece to the 1889 Exposition Universelle – a fair celebrating 100 years since the French Revolution.

Not everyone is excited to see the finished thing. A guild of artists and intellectuals criticise the design, describing the iron tower as “useless and monstrous... a giddy, ridiculous tower dominating Paris like a gigantic black smokestack”.







7 Dec. 1887 - No 24





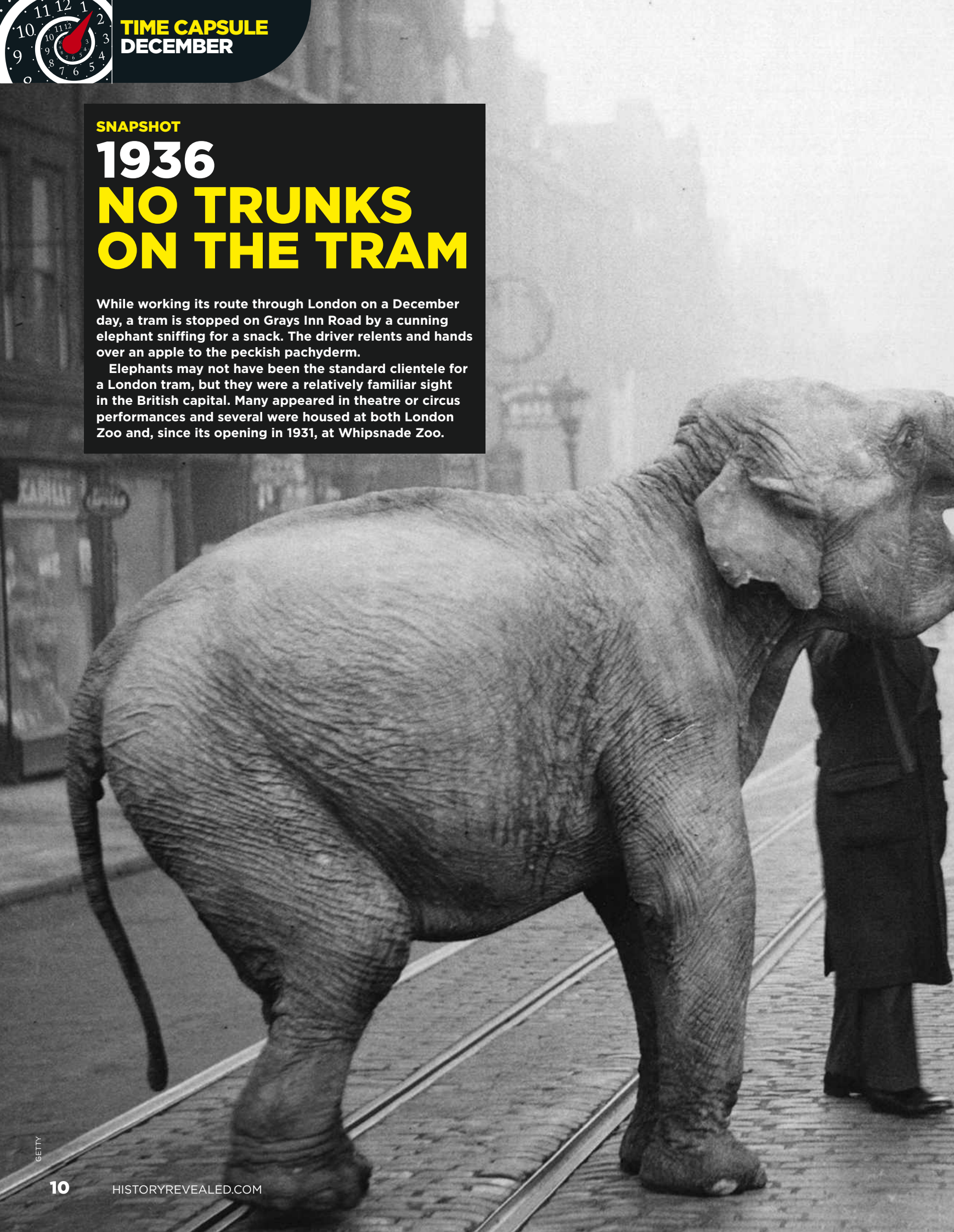
**SNAPSHOT**

**1936**

# **NO TRUNKS ON THE TRAM**

While working its route through London on a December day, a tram is stopped on Grays Inn Road by a cunning elephant sniffing for a snack. The driver relents and hands over an apple to the peckish pachyderm.

Elephants may not have been the standard clientele for a London tram, but they were a relatively familiar sight in the British capital. Many appeared in theatre or circus performances and several were housed at both London Zoo and, since its opening in 1931, at Whipsnade Zoo.





VIA WEST R. & BATTERSEA  
WANDSWORTH

1952







**SNAPSHOT**

# 1940 **KEEP YOUR EYES OFF THE BALL**

As Charlton Athletic take on Arsenal at home on 7 December 1940, a qualified Observer watches the skies for signs of a Luftwaffe attack.

The Blitz had begun and the threat of bombings by German planes was ever-looming, but that couldn't stop the weekly football. The official Football League was abandoned in 1939 as stadiums were taken over for military purposes and hundreds of players signed up to fight, but regional games still, cautiously, took place. In the interests of public safety, the number of spectators was limited to 8,000, and Observers patrolled the perimeter of the pitch watching and listening for danger.











## “I READ THE NEWS TODAY...”

Weird and wonderful, it all happened in **December**



### THE POPE SAYS NOPE 1294 BETWEEN THE DEVIL AND THE DEEP BLUE SEE

When Pope Celestine V resigned the papacy, or the 'See of Rome', on 13 December, he not only became the **first pontiff to abdicate** but he also doomed himself to a place in *Inferno*, Dante's literary version of Hell.

Celestine had been a hermit in a remote Italian mountain range before becoming Pope, and he was in no way prepared for the role. He lasted **just a few months** before concluding that his duties were distracting him from his quest for eternal salvation. One not entirely credible account claimed that Celestine was tricked into resigning by Boniface – the man who succeeded him as Pope – by getting a cleric to whisper to Celestine, **pretending to be God**.

### VAN GOGH'S UNUSUAL GIFT 1888 GETTING AN EARFUL

In his lifetime, Vincent van Gogh only ever sold one painting, and he was **cruelly mocked** by the art world as he descended into insanity and depression. This came to a head, literally, in late December 1888, when the **tortured genius cut off part of his left ear** and sent it to a favourite prostitute of his. After the incident, van Gogh see-sawed between crippling madness and inspired creativity – among his works was a self-portrait showing a bandage wrapped around his ear.



### IGUANODON INNARDS

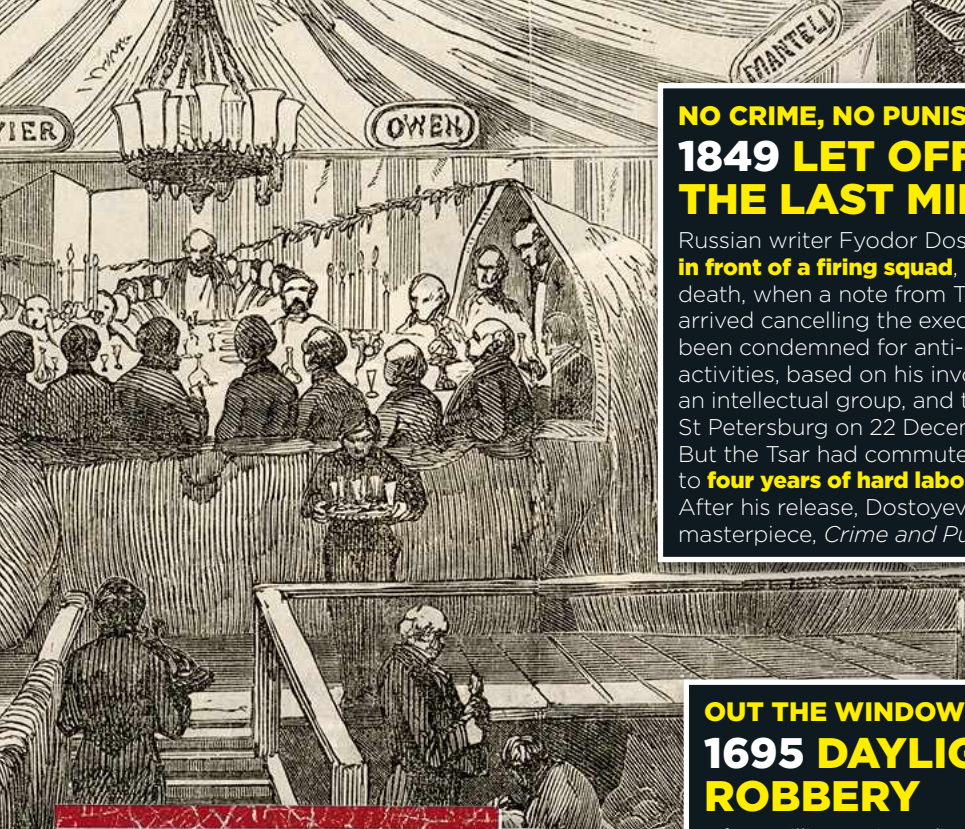
The Iguanodon was **9 metres long** and made of 600 bricks, barrels of stone and 38 casks of cement.

### DINNER IN A DINOSAUR 1853 PARTY ANIMAL

There was only one way to see in 1854 – attending a New Year's party inside a giant model of a dinosaur. To celebrate the dozens of dino-dummies being built for Crystal Palace Park, creators Richard Owen and Benjamin Waterhouse Hawkins invited 21 distinguished guests to a **banquet inside an unfinished Iguanodon**. The night was a huge success, and ended with everyone boisterously singing “The **jolly old beast** is not deceased! There's life in him again!”

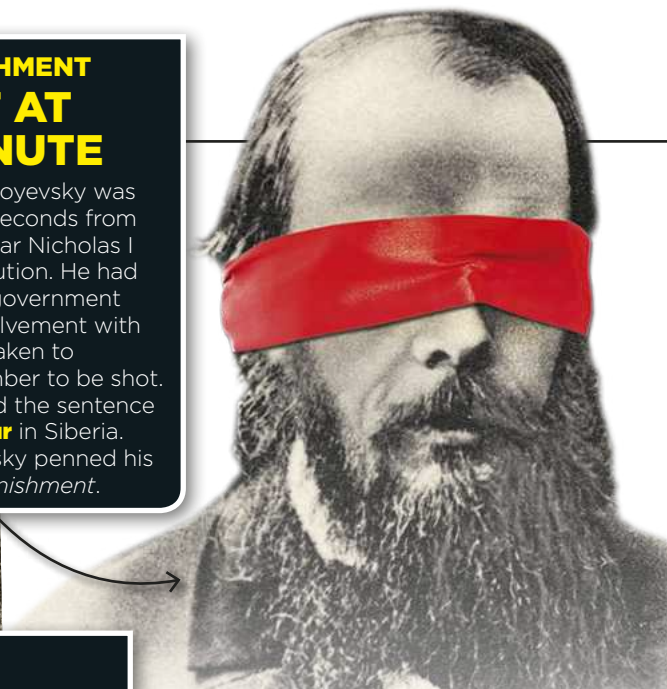
The dinner consisted of eight courses, including hare soup, pigeon pie and pheasant, woodcock and snipe meats.





## NO CRIME, NO PUNISHMENT 1849 LET OFF AT THE LAST MINUTE

Russian writer Fyodor Dostoyevsky was **in front of a firing squad**, seconds from death, when a note from Tsar Nicholas I arrived cancelling the execution. He had been condemned for anti-government activities, based on his involvement with an intellectual group, and taken to St Petersburg on 22 December to be shot. But the Tsar had commuted the sentence to **four years of hard labour** in Siberia. After his release, Dostoyevsky penned his masterpiece, *Crime and Punishment*.



## "...OH BOY"

**December** events that changed the world

### 18 DECEMBER 1271 EMPIRE OF THE KHAN

The Yuan Dynasty begins under Genghis Khan's grandson, Kublai Khan.

### 13 DECEMBER 1642 TASMAN SEES NEW LAND

Dutch merchant Abel Tasman becomes the first European to sail to New Zealand.

### 16 DECEMBER 1773 FANCY A CUP OF TEA?

Protesting British rule, American demonstrators destroy a shipment of tea in Boston Harbour.

### 17 DECEMBER 1790 AZTEC ARCHAEOLOGY

Having been lost for 300 years, the Aztec Calendar Stone is rediscovered.

### 2 DECEMBER 1804 HERE'S TO THE LITTLE GUY

Napoleon Bonaparte is crowned as Emperor of the French.

### 8 DECEMBER 1813 TAKE A BOW, BEETHOVEN

To a packed Vienna theatre, Beethoven premieres his 7th Symphony.

### 1 DECEMBER 1959 STOPPING THE COLD WAR FROM FREEZING

The signing of the Antarctica Treaty prevents nuclear tests in the frozen region.

## AND FINALLY...

On 15 December 1747, Royal Navy officer Edward Legge became a Member of Parliament, despite having **died 87 days earlier**. He had been elected while at sea, and news of his demise didn't reach home until after the election.

## WINDOW TAX



## OUT THE WINDOW 1695 DAYLIGHT ROBBERY

After William III introduced a window tax to England and Wales in December 1695, householders – who had to pay between two and eight shillings – began **bricking up their windows**. Evidence of the unpopular tax, which shattered the glass industry's profits and may have led to the phrase 'daylight robbery', can still be seen today.

## TELEGRAM

# NUTS!

## BATTLEFIELD DIPLOMACY 1944 TO THE GERMAN COMMANDER

In the bitterly cold winter of 1944, the Germans launched a last-ditch offensive to win World War II, but it was halted by fierce resistance from the surrounded **American 101st Airborne** at Bastogne. When the Germans demanded the **"honourable surrender"** of the Americans, General McAuliffe treated the request with little respect. His reply was just one word: "Nuts!"

## ONE FOR THE BOOKS 1968 A LITTLE OVERDUE

Richard Dodd returned a book to the University of Cincinnati medical library on 7 December 1968, admitting it was overdue. The librarian was shocked to see that **Dodd's great-grandfather** had checked the book out in 1823, making it 145 years late. The fine, which Dodd luckily wasn't asked to pay, would have been in excess of **\$20,000**.

Cardholder is entitled to  
draw books from this  
**PUBLIC LIBRARY**

Date Due:

Returned:

1823

1968

**FINE!**  
**\$20,000.00**





## WHAT HAPPENED NEXT?

A deadly influenza virus affects a third of the world's population

# 1918 MILLIONS DIE IN GLOBAL SPANISH FLU PANDEMIC

*The speed with which Spanish Flu spread and its unusual characteristics made the disease a record mass-killer...*

**W**orld War I was in its final stages. With the Germans in retreat, peace was on the horizon. After four years of fighting, thoughts drifted towards life after the war, and to the euphoric welcomes troops would receive when they returned home. Fewer men were dying in combat and there was a belief among soldiers that they might make it through the 'Great War'. Yet millions were still dying as another scourge plagued the people of the world: disease.

### WAVE AFTER WAVE

The first wave of H1N1 influenza, or Spanish Flu, came in March 1918 and was relatively mild, amounting to little more than typical flu. It is thought the first cases were in American military forts, but it wasn't long before they reached the trenches in Europe. By August 1918, the flu mutated, making for a more virulent and deadly second wave.

Symptoms included fatigue, headaches, coughs so violent that victims tore abdominal muscles, bleeding from the nose and ears, vomiting, and skin turning blue. Some people died within hours of first feeling ill. Whereas most influenzas are worst among the very young, elderly and weak,

what was unusual about Spanish Flu was that it seemed to target healthy, young adults. To add to the woes, new transport meant the infected, mostly soldiers packed in troop ships, spread the virus at unprecedented speeds.

### MORTALITY RATE

The average flu mortality rate is 0.1 per cent, but the death rate for the second wave was 20 times higher. Spanish Flu reached every corner of the world, from remote Pacific islands to the Arctic, and hit Europe and America hardest. US President Woodrow Wilson contracted the illness while negotiating the Treaty of Versailles.

Focus was on prevention, rather than cure. People wore masks and public places were closed while the sick festered in crowded, temporary hospitals.

And just like that, it was gone. In 1919, a last wave struck, but by then, the virus was a much less lethal strain.

Spanish Flu infected a third of the world's population, and killed, at a conservative estimate, 50 million people, making it one of the deadliest disasters in history. More died because of the pandemic than in World War I itself, and in a fraction of the time. 🕒

### PAIN IN SPAIN

Spanish Flu neither originated in Spain nor hit the country particularly badly. The pandemic got its name as **early reports of the virus were censored** by Britain, France, America and Germany as they were at war. Papers in neutral Spain, however, reported freely, making the virus look worse there.



### TREATING THE SICK

The numbers of affected were so great that school gymnasiums were converted into makeshift wards



### THE FORGOTTEN FLU

Despite the colossal damage and hurt caused, the pandemic has been nearly forgotten. This may be due to the virus's speed – it **came and went too quickly** for there to be much media coverage. As people were so used to tragic news from World War I, there is a possibility the pandemic was, as best as it could be, **swept under the rug**. People had had enough bad news.

### SPREADING THE VIRUS

The joy of returning troops – like these US soldiers arriving in New Jersey – was soon replaced by despair as influenza spread

### FROM WAR TO WARDS

The filthy, rat-infested, polluted trenches of World War I badly affected many men's **immune systems**, making them more vulnerable to illness. When the war was over, massive troop movements **sped up the transmission** of the virus, hurling the world into another wave of Spanish Flu.

### HOMESPUN REMEDIES

In the hope of beating the pandemic, a host of sensible (and not-so-sensible) cures emerged, from eating raw onions, drinking a **cocktail of water, salt and coal oil**, and keeping a potato in your pocket. Oxo began marketing itself as the best way of **"fortifying the system"**.

**"By August 1918, the flu mutated, making for a more virulent and deadly second wave"**





# GRAPHIC HISTORY

A visual guide to the past

## 1768 ICONIC TOME HITS THE SHELVES

*In December 1768, the very first edition of the Encyclopædia Britannica was launched. This epic compendium was borne of a rich heritage...*



### 1 410BC-AD500 ANCIENT TOMES

#### ALL GREEK TO HIM

The first encyclopedia of which segments survive dates from c410-c339 BC. It was written by the philosopher Speusippus, who compiled his **uncle Plato's thoughts** on natural history, mathematics, philosophy and more.



#### THE BIG BOOK

In the 12th century, scholar Honorius Includus wrote his *Mirror of the World*. It draws on the **widest variety of sources** yet, and is the most significant tome of its time.

### 4 1750-1950 BRITANNICA BEGINS

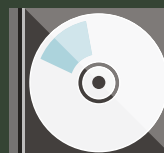
#### SCOTTISH IDEA

Inspired by the success of *The Encyclopédie*, "a society of gentlemen in Scotland" decided to produce the *Encyclopædia Britannica*. First issued in 1768, it is the longest-running English-language general encyclopedia in the world.

### 5 1970-present GETTING DIGITAL

#### COMPACT KNOWLEDGE

In 1993, 12 years after *Britannica* published the first text-only digital encyclopedia to selected users in 1981, Microsoft released *Encarta CD*. The compact compendium **cost \$400**, and contained **25,000 articles**, sound bites, a dictionary, and a quiz game.



### 2 AD500-1600 MIDDLE AGES AND BEYOND

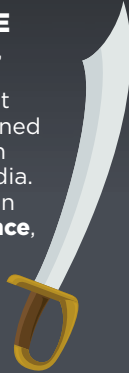
#### SACRED LEARNINGS

Roman statesman Cassiodorus wrote *Institutes of Divine and Secular Literature* in the 550s, a book in which he divided the **moral and immoral entries**. Soon after, St Isidore of Seville compiled a Christian compendium.



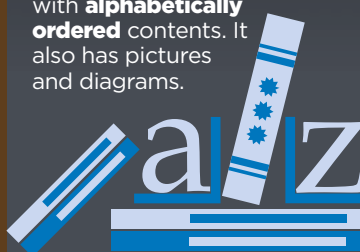
#### EASTERN TAKE

In the 9th century, Ibn Qutaybah, an Arabian philologist and historian, penned the earliest-known Arabic encyclopedia. The contents run in **order of importance**, beginning with power and war, **ending with food and women**.



#### ORDER, ORDER

*Suda*, written around the 10th century, is the first encyclopedic dictionary with **alphabetically ordered** contents. It also has pictures and diagrams.



#### DEAD LANGUAGE

The use of English in books boomed from the late 1600s - until then, most western encyclopedias had **used Latin**.



#### REVOLUTIONARY READ

Across the Channel, *The Encyclopédie* launched in 1751. It was a vast project with **authority-challenging articles**. In pre-revolutionary France, it earned some 2,000 subscribers to the very first volume.



### 3 1600-1750 MODERN KNOWLEDGE

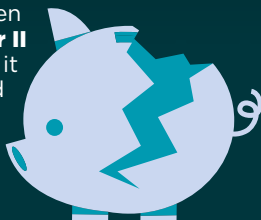
#### BACON'S PLAN

In the early 17th century, Francis Bacon began the *Great Instauration*. Though never finished, this massive project was planned to have **130 sections**, in order to record "a total reconstruction of sciences, arts, and all human knowledge."



#### ROCKY ROAD

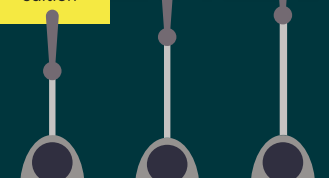
The 14th edition - produced in both America and the UK - launched the month before the **Great Depression** hit. The institution suffered, badly. When **World War II** broke out, it floundered further.



**4**  
The number of pages dedicated to the bibliography in the second edition

**2**  
The number of pirated versions of the third edition

**44 MILLION**  
The number of words in the 15th edition



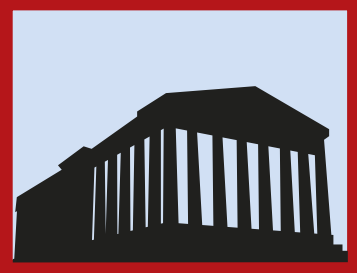
#### REBOOT

In the sixties, an effort began to remake the first edition of the encyclopedia, with offices in London and Chicago working together. The replica was completed for the book's 200th anniversary, in 1968.





In 2012, Britannica announced its 15th edition would be its last printed one. Over **32 volumes**, the publication weighed **62 kg** and retailed at **£1,195**.



### ROMAN TOME

The most important Roman encyclopedia that survives today is *Natural History*, completed by Pliny the Elder in AD 77. It has **37 volumes**, and covers all sorts, from astronomy to zoology.



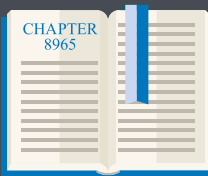
### NUN THE WISER

The first encyclopedia likely written by a woman is from the 12th century. The Alsatian Abess Herrad's horticultural book *Garden of Delights*, is illustrated with **636 images**.



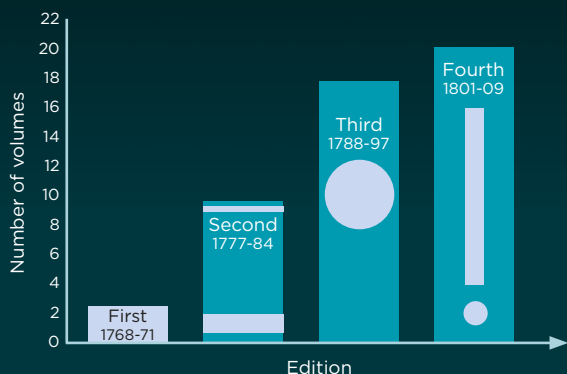
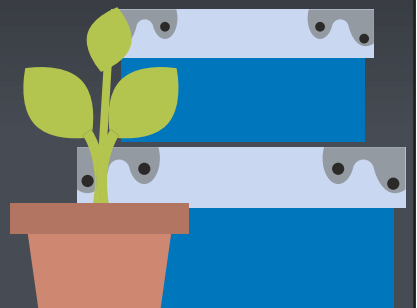
### PROLIFIC VINNIE

The greatest compendium of this age was probably the *Speculum majus* by French priest and theologian, Vincent of Beauvais. With nearly **10,000 chapters**, his work was the largest to date and remained so until the 18th century.



### LET'S READ!

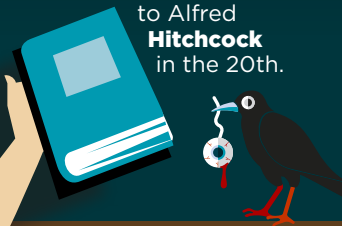
Around the end of the 15th century, German prior Gregor Reisch wrote a compendium for children – the *Margarita philosophica*.



For 40 years, the Scottish encyclopedia grew in size. The fifth and sixth editions remained much the same as the fourth, but supplements were added to keep the books up-to-date.

### FAME AND GLORY

Over the decades, the admired publication drew more and more famous writers, from **Sir Walter Scott** in the 19th century, to Alfred **Hitchcock** in the 20th.



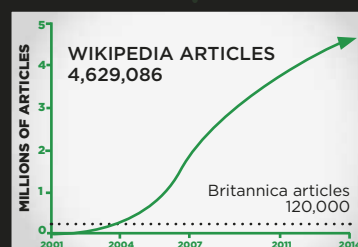
### BUY-OUT

By the early 20th century, *Britannica* had become a **world leader** and, in 1901, while the ninth edition was on sale, it was **bought by two Americans** and, shortly after, moved to New York.



### BRITANNICA DIGITISES

In the nineties, *Britannica* launched two **digital initiatives**. First it launched *Britannica CD*, before its original online encyclopedia, which **users paid to access**, went live.



### WIKIMANIA

Launched in 2001, *Wikipedia*, a **non-profit online compendium** made a vast amount of knowledge freely available, and quickly became one of the world's most popular websites. In early 2007, much of *Britannica* online became free to read.





# THE NEW STANDARD

**LATE PRICES**  
STOP PRESS

Tuesday, December 9, 1980. Price 12p

Incorporating the **Evening News**

Smiling gunman fires five bullets into ex-Beatle

# JOHN LENNON SHOT DEAD



JOHN LENNON: Help me, he whispered ... then Yoko screamed.

From Nicky Holf ord in New York

**JOHN LENNON is dead.** The former Beatle was murdered at 4 a.m. today outside his New York home by a crazed, smiling gunman.

Lennon, 40, was rushed to hospital in a police car but was dead on arrival.

Lennon and his wife, Yoko Ono, had just arrived home at the Dakota, a luxury apartment building on Manhattan's Upper West Side, from a late-night recording session.

As they stepped out of their limousine they were accosted by the gunman and an argument broke out.

The man, who had earlier got Lennon to sign his latest album Double Fantasy—and had been seen lurking round the building for three days—pulled a .38 revolver from under his

## In praise of John Lennon

*John Blake, Maureen Cleave, Ray Connolly: Centre Pages*

coat, crouched combat-style and fired five times.

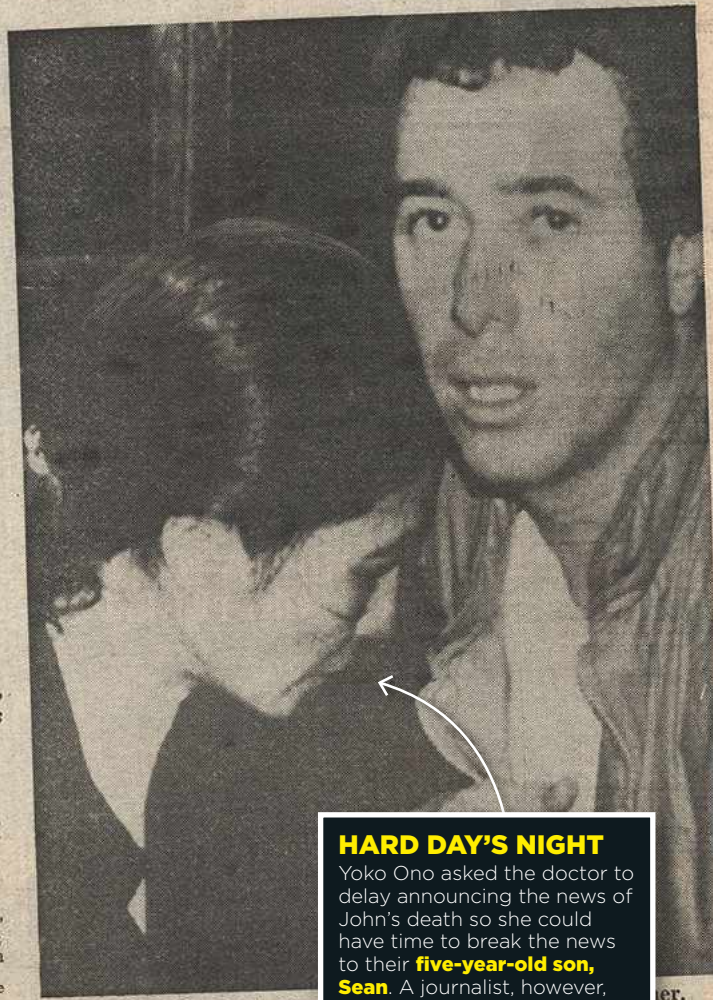
Lennon staggered about five feet to a small guard's booth in the courtyard of the building.

Gasping "I am shot" repeatedly, he managed to climb six steps before collapsing face down in a pool of blood.

"Do you know what you just did?" the doorman asked the man. "I just shot John Lennon," the gunman answered and threw down the gun.

Police spokesman Ed Burns said: "A police

Cont Page 2, Col 1



YOKO ONO weeps as p

### HARD DAY'S NIGHT

Yoko Ono asked the doctor to delay announcing the news of John's death so she could have time to break the news to their **five-year-old son, Sean**. A journalist, however, was in the hospital being treated after a motorcycle accident and got the scoop.

TV 27 • Entertainment Guide 29 • Commuter Club 11 • Ad Lib 20 • Compton Miller 22 • Patric Walk



## YESTERDAY'S PAPERS

On **9 December 1980**, the world was in shock when they woke to the news that former Beatle and music deity John Lennon was shot at the door of his home

# “I REFUSE TO BE A SAINT OR A MARTYR” JOHN LENNON

### ALL MY LOVING

In an interview only two days before the shooting, John enthusiastically talked about **how safe he felt in New York** – and free from the usual Beatles hysteria – claiming, “I can walk down the street safely”.

**N**othing could be done for John Lennon when he was rushed to Roosevelt Hospital late on 8 December 1980. His injuries were too severe. Seconds after dying from multiple gunshot wounds, the Beatles song *All My Loving* was heard on the hospital sound system.

It had been a busy day of recording – and a photoshoot with Annie Liebovitz – when John and Yoko Ono returned to their apartment in New York’s swanky Dakota building. As they walked to the door at 10.50pm, five gunshots rang out and John was hit in the back and chest. The shooter, deranged fan Mark David Chapman, had been hanging around the Dakota all day, and even had his copy of John’s latest album, *Double Fantasy*, signed that afternoon, while he waited to kill his former hero.

Chapman, with a history of mental instability and failed suicides, had been a zealous Beatles fan, but turned on the band when he became a born-again Christian. He regarded John’s “more popular than Jesus” comment to be blasphemous, and the lyrics “Imagine no possessions” from *Imagine* deeply hypocritical, considering John’s wealth. After the shooting, he made no attempt to flee, but sat reading *The Catcher in the Rye*, a book he had become obsessed by as he related to the troubled main character. Inside his copy, he had written, “This is my statement”. A disbelieving onlooker approached Chapman screaming, “Do you know what you’ve just done?” and he calmly answered: “Yes, I just shot John Lennon”.

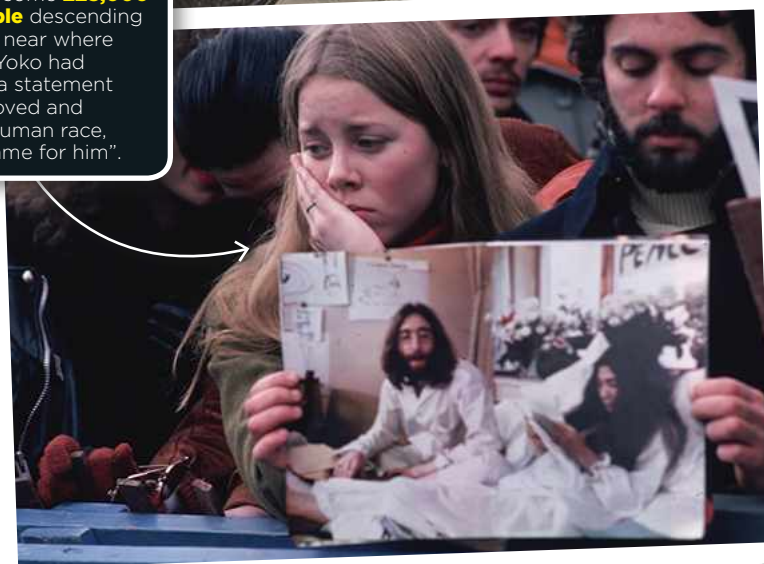
Refusing to plead insanity, Chapman was sentenced to 20 years to life. He remains behind bars, having been denied parole eight times. ☹



### COME TOGETHER

On 14 December, countless mourners converged in cities worldwide, with some **225,000 distraught people** descending on Central Park, near where John was shot. Yoko had earlier released a statement reading, “John loved and prayed for the human race, please do the same for him”.

ABOVE: John Lennon had found a peaceful lifestyle with Yoko Ono in New York, away from Beatlemania  
RIGHT: Shocked and despondent Lennon fans gather in New York’s Central Park to mourn his death



## 1980 ALSO IN THE NEWS...

**3 DECEMBER** The British aristocrat despised for being a Nazi sympathiser and for leading the UK’s ‘**Blackshirt**’ fascist movement, **Sir Oswald Mosley**, dies in Paris, at the age of 84.

**12 DECEMBER** Electronics company Apple sells 4.6 million of its shares, instantly making around **300 people millionaires**. Apple founder Steve Jobs makes \$217 million dollars alone.

**12 DECEMBER** An early 16th-century notebook filled with writings and drawings by **Renaissance artist Leonardo da Vinci** sells at auction, with the winning bid reaching over \$5 million.



## THE EXTRAORDINARY TALE OF...

When **47 samurai** avenged the death of their master

# 1702 THE '47 RONIN' TAKE REVENGE AND RESTORE THEIR HONOUR

*Even though they knew it would cost them their lives, the small band of samurai launched their revenge attack on 14 December...*

**S**now was falling in the early hours of 14 December 1702, but the thin canopy of white coating the land couldn't distract the 47 men from their mission. Before them was the mansion of their sworn enemy. All 47 pairs of eyes were fixed on the target, and 47 pairs of hands were ready to grasp their weapons – spears, bows or finely-honed katanas, the swords of the samurai.

The warriors had waited a year for this moment, when they would finally have vengeance on the man who ruined their master's reputation, and all they were waiting for was their leader, Oishi Kuranosuke Yoshio, to signal the start of the attack with the beating of a drum.

### A MASTER'S DOWNFALL

Japan during the Tokugawa era (early-17th to late-19th centuries) was ruled by a military official, the Shogun, in the name of the

Emperor. Under him were the daimyo, lords who controlled their territories with armies of fiercely loyal samurai.

Asano Naganori was a young daimyo from Ako when, in 1701, he was ordered to arrange a reception for the Emperor's envoys, but the ceremony had to be inch-perfect – any mistake, Asano was told, would deeply insult the Emperor and reflect poorly on the Shogun. Kira Yoshinaka, an arrogant, rude and pompous official, was therefore sent to train Asano. What Asano didn't know was that Kira expected lavish gifts and bribes for the service so the two men instantly loathed each other. The fatal incident came at Edo Castle, the seat of the Shogun's power, when Kira insulted Asano, calling him a "country boy with no manners".

Enraged, Asano lunged

at Kira with a dagger, which caused barely a scratch on Kira's face, but any act of violence was utterly forbidden in Edo. The punishment was severe: Asano was ordered to kill himself by committing seppuku, his land and goods were confiscated, his family ruined and his samurai were made 'ronin' – or leaderless.

### LAYING IN WAIT

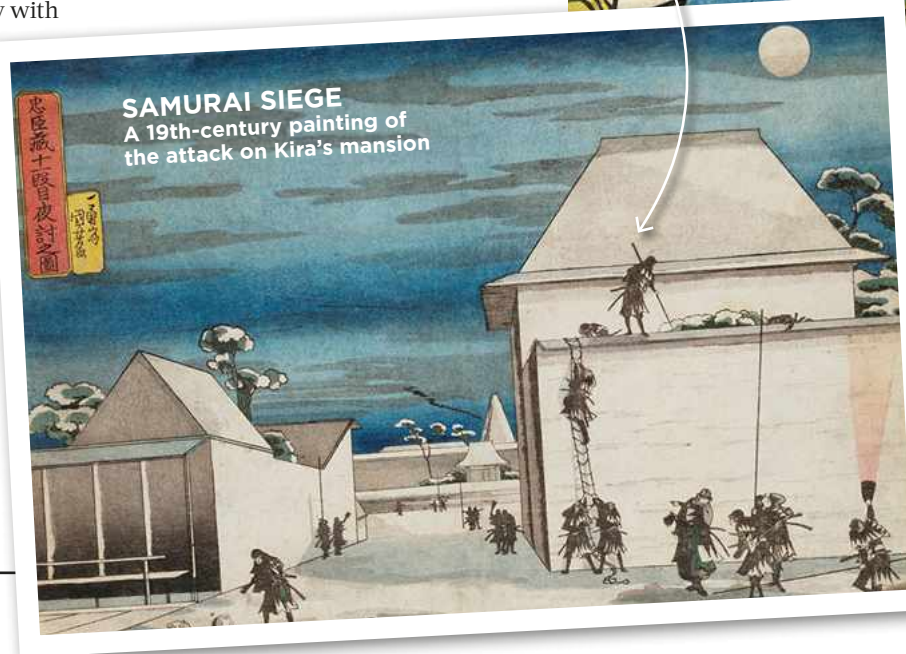
In an instant, 300 samurai were cast out and shamed, but 47 of Asano's warriors, led by Oishi, sought vengeance. They took an oath to murder Kira, an act punishable by death, as they saw it as their duty to the samurai code of honour – Bushido – to avenge the death of their master. But to succeed,

### KEEPING THE SECRET

So they wouldn't arouse suspicion, the ronin's armour was homemade and **weapons were hidden** in Edo. The armour and swords – as well as the drum used to signal the attack and the whistle blown when Kira was found – are **kept in the temple where the ronin are buried**.

**"Bushido is realised in the presence of death. This means choosing death whenever there is a choice between life and death. There is no other reasoning."**

*from Hagakure: The Book of the Samurai  
by Yamamoto Tsunetomo*





## TOO LITTLE, TOO LATE?

An annual festival in Japan celebrates the ronin, but there are some who don't find their revenge so honourable. **Yamamoto**

**Tsunetomo**, writing in the 18th century, insisted that they should have attacked Kira immediately, regardless of their chances of success. By planning, they **put victory ahead of honour** and risked Kira dying by other means.

後目月拾両三人扶持  
三村次郎左門包常  
三十六才



**FIGHTING FOR HONOUR**  
One of a series of paintings from the Meiji period depicting each of the 47 ronin



## FALLEN HEROES

All 47 ronin are buried side-by-side at Sengaku-ji temple, near the grave of their master

## THE 48TH SAMURAI

Buried next to the ronin's graves is another samurai - while Oishi was pretending to be drunk, he was once **mocked and kicked** by a samurai from Satsuma, but after the ronin's honour was restored, that man visited the tombs of the ronin, **begged for forgiveness** and committed suicide.

meticulous planning was needed. Kira was too well-guarded so the ronin had to wait. They split up and worked as tradesmen to throw Kira off the scent. Oishi's devotion to the oath was absolute. He spent the year tricking Kira's spies by pretending to be a womanising drunk, even divorcing his wife as part of the ruse. Placated that Asano's men had no interest in revenge, Kira's caution slackened and the 47 ronin saw that their time had come. They knew the layout of Kira's mansion and had smuggled weapons into the grounds.

## HONOUR SACRIFICE

On that snowy night, under cover of darkness, the ronin launched their attack on Kira's mansion at the sound of a drum. One group stormed the back gate while Oishi led a second through the front. The first ronin scaled the walls, subdued the guards and sent messages to the people of Edo saying they had nothing to fear. The people, who hated Kira, did nothing to stop the ronin.

Kira's bodyguards, although caught unawares, put up a brave and noble defence. They raced from their beds in bare feet to protect Kira, but they were overpowered by the organised ronin. It is unclear how many of the bodyguards were killed, but not one of the ronin died. Kira, who had fled once he was awoken by the sounds of the attack, was found cowering among a pile of firewood. Oishi offered the

speechless and shaking Kira the same dagger Asano had used to kill himself so that he could die with honour. When Kira made no response, Oishi ordered his head to be cut off. From there, the ronin carried the head to Asano's grave in the temple of Sengaku-ji, six miles across Edo, where it was washed and laid before their master's tomb.

The ronin had their revenge, but they had committed murder. All 47 turned themselves over to the Shogun, in adherence to the code of Bushido, where, despite being praised for their loyalty to Asano, they were sentenced to death. The Shogun, however, permitted them a far more honourable death than execution - seppuku. On 4 February 1703, 46 of the ronin killed themselves with daggers to their bellies. The 47th, and youngest, was pardoned as a gesture of respect. When he died many years later, the last ronin was buried next to his comrades, in front of Asano's tomb. The story of their revenge is now a national legend in Japan, celebrated as the best example of Bushido - devotion, loyalty, sacrifice and honour. 🍣



**WHAT DO YOU THINK?**

Was it right for the 47 ronin to take their own lives?

Email: [editor@historyrevealed.com](mailto:editor@historyrevealed.com)



# HISTORY

## REVEALED

Save when you subscribe  
**to the digital edition**



Available from



Download on the  
**App Store**



GET IT ON  
**Google play**



Available on  
**kindle fire**



**History Revealed** is an action-packed, image-rich magazine with zero stuffiness. Each issue takes a close look at one of history's biggest stories, such as the Tudors or Ancient Egypt, to give you a great understanding of the time. And the amazing tales just keep coming, with features on the globally famous, the adventures of explorers and the blood spilt on well-known battlefields, plus much more, in every edition.



**Enjoy our Premium App experience now available from**



**HISTORY**  
REVEALED



# GREAT EXPLORERS OF THE TUDOR AGE

WORDS: PAT KINSELLA

**D**uring the 15th and 16th centuries, powerful European nations embarked on frenetic campaigns of global discovery, colonial conquest and trade-orientated empire building. This was an era of intense ocean-crossing exploration. This was the Age of Discovery.

The impact of the period was immense. The West's understanding of the planet skyrocketed, as a 'New World' was revealed across the Atlantic. Enormous wealth poured into Europe, the daily diet of millions changed and technology boomed. Meanwhile, the African slave trade escalated, and disease and death were delivered to many indigenous peoples, whose cultures were also damaged or even destroyed.

These consequences were as unpredictable as the new seas were uncharted. The Vikings had explored North America's east coast centuries earlier, but their findings weren't shared. While Aristotle showed, in the fourth century BC, that the Earth was spherical, a myth persisted that a great nothingness existed beyond the entrance to the Mediterranean. Explorers of the age were sailing off the edge of the map.



## NOW READ ON...

### NEED TO KNOW

- 1 Into the Darkness [p28](#)
- 2 Who Went Where and When? [p30](#)
- 3 The Spice Race [p32](#)
- 4 Round the World [p34](#)
- 5 A Sailor's Life [p38](#)

### WHO DISCOVERED AMERICA?

Columbus and Cabot [p40](#)

### TIMELINE

Milestones in the Age of Discovery [p46](#)

### SIR FRANCIS DRAKE

England's Sea Dragon [p48](#)

### GET HOOKED

Explore the Age of Discovery [p53](#)





**CAPTAINS OF  
DISCOVERY**

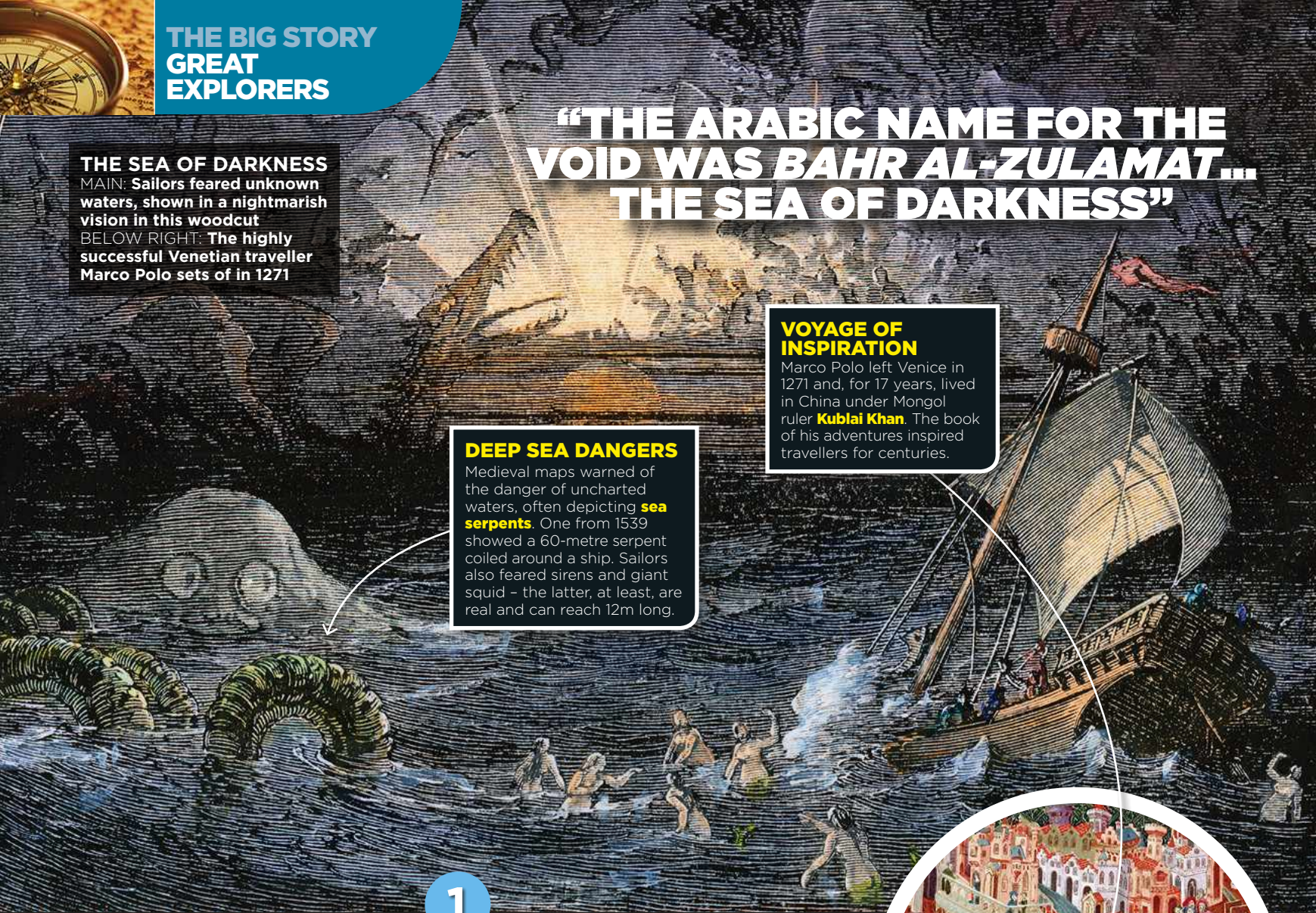
Columbus, Cabot and Drake  
(left to right) led the way in  
this era of exploration

**"THE DISCOVERY OF AMERICA  
AND THAT OF A PASSAGE  
TO THE EAST INDIES... ARE  
THE TWO GREATEST AND  
MOST IMPORTANT EVENTS  
RECORDED IN THE HISTORY  
OF MANKIND"**

*ECONOMIST AND PHILOSOPHER ADAM SMITH, 1776*







### THE SEA OF DARKNESS

MAIN: Sailors feared unknown waters, shown in a nightmarish vision in this woodcut  
BELOW RIGHT: The highly successful Venetian traveller Marco Polo sets off in 1271

“THE ARABIC NAME FOR THE VOID WAS **BAHR AL-ZULAMAT...**  
**THE SEA OF DARKNESS**”

### VOYAGE OF INSPIRATION

Marco Polo left Venice in 1271 and, for 17 years, lived in China under Mongol ruler **Kublai Khan**. The book of his adventures inspired travellers for centuries.

### DEEP SEA DANGERS

Medieval maps warned of the danger of uncharted waters, often depicting **sea serpents**. One from 1539 showed a 60-metre serpent coiled around a ship. Sailors also feared sirens and giant squid – the latter, at least, are real and can reach 12m long.

1

## INTO THE DARKNESS

*Europeans had no idea what wonders or terrors awaited them in uncharted waters*

**T**he Pillars of Hercules are mountainous points either side of the narrow Strait of Gibraltar, one being the rock of Gibraltar and the other a peak on the North African shore. In the 15th century, this is where maps ended and a knowledge vacuum began. The Latin countries called the Atlantic expanse beyond the strait *Mare Tenebrosum*, while the Arabic name for the void was *Bahr al-Zulamat*. Both mean ‘sea of darkness’.

Why, then, by the 15th century, were Europeans keen to sail off the end of the known world and into the dark? The pursuit of wealth is the basic answer. Africa promised gold, jewels and slaves, while the East (India, China and the Spice Islands) had prized spices. Other factors were at play too, including many

that would later drive the heroic age of Antarctic Exploration and the Space Race. Geographical curiosity was a natural progression from the Renaissance – the fertile period of artistic expression that flowered across Europe from the 14th century – where creative boundaries were stretched and explored. The innate human inquisitiveness of key players was tickled by the tales of riches and adventure told by early travellers to the Orient, such as Marco Polo in the early 1300s.

National pride and international rivalry also played a role. Many European monarchs harboured ambitions to build empires, just as the Greeks and Romans had done in antiquity, and didn’t want to be outdone by their neighbours. Fear was equally important. Portugal was exposed and cut off from the Mediterranean, while other European countries felt vulnerable

15,000

The number of miles estimated as travelled by Marco Polo from 1271 to his return to Venice in 1295



to attack from the east. There, large wealthy and advanced Islamic nations posed a potential threat – particularly with the dust having barely settled after centuries of violence brought about by the Crusades. More importantly, these Muslim countries stood in the way of the Silk Road, a land-based trading route to the East, where valuable and highly coveted spices such as pepper, cinnamon, nutmeg and cloves originated.

The most pressing brief for the major explorers of the era was to find a sea route to the Orient. As early as 1291, two Genoese brothers, Vandino and Ugolino Vivaldi, travelled through the Strait of Gibraltar in a bid to get to India. They disappeared without trace, but many more would follow – some sailing into the history books, others into oblivion.



## BY SEA TO THE ORIENT EVERY WHICH WAY BUT EAST

A glance at a map shows that, before the construction of the Suez Canal, travelling to the Orient by sea from Europe would be a long and scenic way to reach the riches of the region, compared to going directly east, over land.

The land route, however, had become problematic. The relationship between the Christian West and the Islamic East was far from friendly in the 15th century, after generations of bloody fighting caused by Crusading campaigns instigated by the Catholic Church to try and seize access to the Holy Lands. Even in times of relative peace, transporting bounty along an

overland route was problematic, with middlemen enforcing tariffs and pushing up prices. After the fall of Christian Constantinople (now Istanbul) in 1453, the Ottoman Empire controlled the important trading route to the east known as the Silk Road; the discovery of a sea route became imperative.

Explorers took to the ocean, sailing through the Pillars of Hercules into the great unknown. Once into the Atlantic, there were two options: they could either head south, ultimately around the soon-to-be-infamous Cape of Good Hope at the tip of Africa, or go west, where, initially at least, they had no idea that an entirely new world stood in their way.



### NOT-SO-SUPER HIGHWAY

The Silk Road was the best trading route to Asia, but Muslim countries stood in the way



### BRAVE LITTLE SHIPS

MAIN: An expedition of caravels ready to set out on a voyage of discovery, shown in 1528

BELOW: Henry the Navigator developed the small but sleek caravel for exploration

### STATE OF THE ARK

Streamlined and swift, it was their **lateen sails** (triangular) that made caravels so much more manoeuvrable than ships with square sails.

## EXPLORERS' SHIP OF CHOICE THE CARAVEL CLUB

Developed initially by Portugal's Prince Henry the Navigator, the caravel was a small, nimble, technologically-advanced ship, specifically designed for exploration. With lateen (triangular) sails, the two- or three-masted caravel performed well when sailing into the wind – using a technique called tacking. Its small size – around 23 metres long, with room for just 20 men – made it ill-suited for carrying cargo, but it was the perfect machine for pioneering new routes and became the weapon of choice for explorers venturing down the West African coast or across the Atlantic.

Portuguese explorer Diogo Cão took two caravels down the coast of West Africa and his

compatriot Bartolomeu Dias sailed one, the *São Cristóvão*, round the Cape of Good Hope in 1488. John Cabot's Atlantic-crossing *Matthew*, which left Bristol in 1497, was a caravel. Christopher Columbus took two, the *Pinta* and the *Niña*, to accompany his larger flagship, the *Santa María*, a three-masted carrack, on his first voyage in 1492.

When Vasco da Gama set out for India in 1497, the larger, square-rigged carracks (or *naos*) were preferred, although one caravel did accompany him. Ferdinand Magellan's round-the-world trip also featured a caravel, and Giovanni da Verrazzano's one-ship exploration of North America's Atlantic Coast was done in the *Dauphine* – a caravel.



# WHO WENT WHERE AND WHEN?

*East or west, the pioneers  
forged routes around the globe*

**A**lthough John Cabot, sponsored by the English crown, was the first European to visit North America since the Vikings, it was Spain and Portugal that dominated transatlantic exploration in the 15th century.

Finding a north-western route to Asia, rather than colonisation, preoccupied the first English explorers, but for

Spain and Portugal, conquest was the prime aim of early voyages. Within 50 years of Columbus's landing in the Caribbean, the Spaniards had conquered three empires, including the Aztecs, and were shipping huge amounts of riches to Spain. Little wonder, then, that the Spanish crown was happy to sponsor the efforts of early navigators.

100

The number of Spaniards needed by Cortés to capture the huge Aztec capital of Tenochtitlan in 1519

## TREATY OF TORDESILLAS DIVIDE AND CONQUER

Signed by Portugal and Spain in 1494, the *Treaty of Tordesillas* was an attempt by the two Iberian powers to divvy up ownership of the new territories that the European nations had begun enthusiastically sticking their flags into. An imaginary meridian (north-to-south line) was sketched to the west of the Portuguese Cape Verde islands (off West Africa) but east of the Caribbean island of Hispaniola, which Columbus had stumbled upon in

1492. Lands to the east of this line (including West Africa and much of Brazil) were deemed Portuguese prizes, and those to the west (Central and North America) were Spanish. While this affected the geographical and language divide in Latin America, which remains to this day, other European nations largely ignored the treaty, which became obsolete because neither signatory had sufficient firepower to enforce it.

## DEATH OR GLORY

With a few notable exceptions, it was Spanish and Portuguese explorers who dominated 15th-century voyages of discovery, encouraged by their crowns, who were happy to commit men, materials and money to exploration. Those lucky enough to survive carved out new territories and created trading routes to America and Asia.



**Bartolomeu Dias**  
(c1450-1500)

The first explorer to successfully round the Cape of Good Hope, Dias did so in the name of his country, Portugal. He later drowned at the Cape.



**Giovanni da Verrazzano**  
(1485-1528)

Though he worked for France, da Verrazzano was from Florence. He explored North America's Atlantic coast extensively. It is believed he was eaten by Guadeloupeans.

PACIFIC OCEAN

### LINE ON A MAP

The *Treaty of Tordesillas* ruled on new colonisation, but land already in the hands of a Christian ruler was strictly off limits.

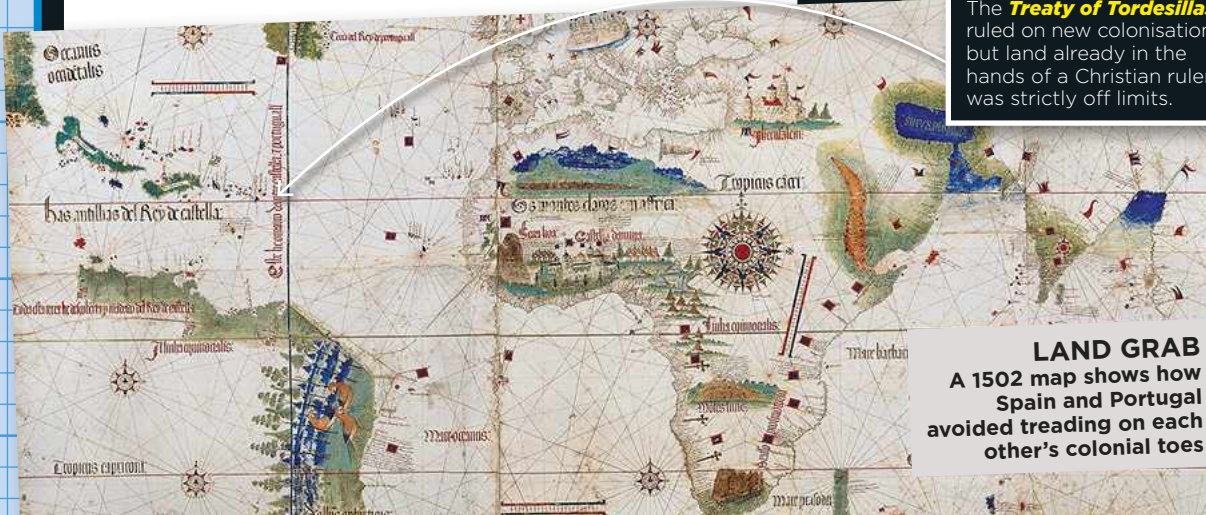


**Diogo Cão**  
(1452-1486)

This pioneering Portuguese sailor explored the West African coast as far south as Namibia. Cão may have died while on expedition.

### LAND GRAB

A 1502 map shows how Spain and Portugal avoided treading on each other's colonial toes





### John Cabot

(1450-1499)

This Venetian sailor was tasked by England to search for new territories. He landed in Newfoundland in 1497, the first European to visit North America since the Vikings.



### Christopher Columbus

(1451-1506)

A Genoese explorer working for the Spanish. He landed in the Bahamas in 1492, while looking for a westward route to the Indies. Columbus made four transatlantic trips, all to the Caribbean, Central and South America.



### Vasco da Gama

(1460-1524)

An explorer from Portugal, he led the first successful sea expedition from Europe to India (1497-98). Da Gama consolidated the trade route and became Viceroy of India.



### Sir Francis Drake

(c1540-1596)

This English privateer spent much of his career raiding the Spanish Indies. He was the first Englishman to circumnavigate the globe, returning home in 1580.



### Ferdinand Magellan

(1480-1521)

While working for Spain, this Portuguese explorer led the first European expedition to go west and reach Asia, passing through what is now called the Strait of Magellan, and crossing the Pacific. He was killed at the Battle of Mactan (now in the Philippines) en route.

### Juan Sebastián Elcano

(1476-1526)

The Spaniard who led the second half of the first round-the-world navigation, (taking over after the death of Magellan, right). He arrived back in Spain in 1522.





# "THE SHIPS ARRIVED IN KERALA, CAPITAL OF INDIA'S SPICE TRADE, AND HISTORY TOOK A SUDDEN SWERVE"

## WARM WELCOME

A contemporary journal of Vasco da Gama's expedition describes its **arrival in Kerala**, where it attracted a huge crowd and was given advice on a safe anchorage.

## MEET THE KING

On landing, da Gama was greeted by the governor with a large retinue of armed men, and conveyed with great ceremony to the grand **court of the Zamorin**, or king.

## PASSAGE TO INDIA

Da Gama disembarks in India, winning the race to find a sea route for the spice trade

3

# THE SPICE RACE

To break into the lucrative spice trade, Europeans competed to find a sea route to India

**S**ponsored by Prince Henry the Navigator, (third son of King John I) and later his great nephew John II, the Portuguese explored Africa's west coast throughout the 15th century. Ships returned with gold and slaves, but the ultimate goal was to find a route to the riches of the Orient.

Diogo Cão ventured as far south as Namibia's Walvis Bay in 1486, and explored the Congo River in a quest to find Prester John's lost Christian nation (see facing page). When Cão died, the expedition returned to Lisbon. Bartolomeu Dias followed Cão's route along the Skeleton Coast a year later, with orders to continue to India. His three ships rounded the tempestuous tip of Africa far from shore, pulling into what's now Mossel Bay in February 1488, dispelling the myth that the Atlantic and Indian Oceans were landlocked, and proving a sea route to India was possible. Dias intended to press on, but with

his crew threatening mutiny, he turned around at present-day Kwaaihoek, where he left a *padrão* – a stone cross inscribed with Portugal's coat of arms. While returning, Dias identified a point he christened Cape of Storms, but John II, optimistic that India's riches were within reach, renamed it Cape of Good Hope.

54

The number of crewmen, out of 170, who survived the expedition that discovered the sea route to India

## THE DOLDRUMS

John II died before his dream was realised, but his successor, Manuel I, sent Vasco da Gama to complete the journey in 1497, with bigger ships and more men. It is thought da Gama was also armed with knowledge supplied by Pêro da Covilhã, a secret agent who'd travelled east by land ten years earlier, searching for Prester John and obtaining information about navigation along the East African coast.

Dias accompanied the expedition to Cape Verde, and instructed da Gama to take a wide berth around the bottom half of Africa, to avoid the doldrums in the Gulf of Guinea and to

exploit what are now known as the Southern Trade Winds. After 13 weeks without sight of land, they came within 600 miles of Brazil's coast before being blown back east.

By Christmas they were safely around the cape. The fleet visited the port of Mozambique in March 1498, before continuing to Mombasa. In Malindi, da Gama employed an Arabic navigator, who guided them across the Arabian Sea to Malabar. On 20 May, the ships arrived at Calicut in Kerala, capital of India's spice trade, and the course of history took a sudden swerve.

Da Gama landed back in Portugal as a hero after a two-year absence, but the return trip had been horrific. Of his original 170-strong crew, just 55 survived, with his own brother among the dead. Almost immediately, 13 ships carrying 1,200 men were dispatched to India, returning with a cargo that broke the Arab land-based monopoly on the European spice trade. In 1502, da Gama sailed to consolidate the route he'd pioneered. He was later made Viceroy of India. However, his reputation is tarnished by atrocities reportedly committed on the Malabar Coast.



## SAILORS' NEMESIS CAPE FEAR

The Cape of Good Hope isn't Africa's Land's End (that's Cape Agulhas, 90 miles east, where the Atlantic and Indian Oceans really meet) but for thousands of unfortunate sailors, the infamous rocky headland has proved to be the end of the line. Dubbed Cape of Storms by Bartolomeu Dias when he led the first expedition to round it, the friendlier moniker may have been bestowed by Portugal's John II, for whom it was merely a corner to be turned en route to riches promised by the region beyond. Dias's description was more accurate; 12 years after his historic voyage, his ship went down during a tempest.

Wrecks litter South Africa's ocean floor – more than 2,500 vessels have come to grief since 1500, and hundreds of these sank around the Western Cape. There are boats from almost 40 countries in this ships' graveyard. Its tales of horror and tragedy resonate around the seafaring globe, from yarns about *The Flying Dutchman* to the desperately sad story of the *Arniston*, which went down in 1815, packed with wounded soldiers returning from the Kandyan Wars in present-day Sri Lanka.

### A BAD OMEN

In ocean lore, the ghost of a wrecked ship is a **portent of doom**. By the 18th century, the most famous was a man-of-war lost off the Cape of Good Hope and destined to sail the oceans forever – *The Flying Dutchman*.



### FABLED KING

The legendary Prester John is shown enthroned on a 16th-century atlas

## PRESTER JOHN LEGEND LOST NATION

One of the more curious motivating factors behind some of the voyages undertaken during the Age of Discovery was the legend of Prester John – the (probably apocryphal) ruler of a lost nation of Christians, believed to reside somewhere in the east, in either India or Africa.

Portugal's Henry the Navigator and John II both firmly believed in the legend, and hoped to discover and build an alliance with this mysterious society. It was later narrowed down to Ethiopia, an island of Christianity in the middle of a Muslim map of nations since the fourth century. One of Dias's objectives on his 1487-88 expedition was to look for Prester John. John II also dispatched two explorers, Afonso de Paiva and Pêro da Covilhã, to travel overland and search for the Christian kingdom, while also gaining geographical intelligence to aid the quest for a sea route to the Orient.

### HORROR AT THE CAPE

MAIN: Thousands of vessels foundered at the Cape, leading to legends of ghost ships  
LEFT: The rocky and treacherous Cape



## HENRY THE NAVIGATOR ROYAL INNOVATOR

For the Portuguese, who had no port in the Mediterranean and had to access the sea via the strategically sensitive Strait of Gibraltar, establishing an alternative ocean-based route to the Far East was crucial. Recognising this, and in response to attacks from African pirates, Infante Dom Henrique de Avis (1394-1460) – third son of Portugal's King John I and now better known as Prince Henry the Navigator – kicked off the earliest European forays along the Atlantic-facing African coastline.

Henry also instigated a number of seafaring innovations, including the development of

### SEAFARING SCHOLAR

A man of learning as much as adventure, Henry (centre) may have set up a mariners school

the caravel, a nifty little sailing ship that revolutionised the reach and speed of exploratory expeditions. He is also rumoured to have established an academy of cartography, astronomy and navigation at his base on the Sagres peninsula, the most south-westerly point of Europe, although some historians doubt this. He presided over great advancements in map making, sent navigators further down the coast of Africa than Europeans had ever been before, discovering and claiming the Madeira islands and the Azores for Portugal.





# ROUND THE WORLD

*Spain's attempt to find a route to India ended in the first circumnavigation of the globe*

Once the Portuguese established a viable trading route to India, the Spanish had a problem. The *Treaty of Tordesillas* (see page 30) granted Portugal control of the African route and without independent access to the Orient, Spain's Iberian rivals could hold them to ransom. A potential solution came from an unexpected source: a Portuguese explorer with an audacious plan, who'd fallen out with his king.

Ferdinand Magellan left Portugal in 1517, when Manuel I dismissed his idea of reaching the Spice Islands (Moluccas) from the east via the Americas. However, Magellan successfully sold his idea to the King of Spain, Charles I. Spanish adventurer Vasco Núñez de Balboa had discovered the ocean beyond the New World four years earlier. Magellan's plan sounded plausible, and it avoided treading on Portugal's toes.

## MAYHEM AND MUTINY

In September 1519, Magellan led five ships (*Victoria*, *Santiago*, *San Antonio*, *Concepción* and *Trinidad*) and a multinational, 270-strong crew into

the Atlantic. Manuel I sent a Portuguese naval detachment to follow the expedition; Magellan soon lost them. By December, the fleet was tracing South America, searching for the strait Magellan believed would allow them through.

At the onset of winter, this opening still eluded them and a mutiny erupted involving three ships. Magellan acted decisively, pardoning many men involved – including Juan Sebastián Elcano – but brutally executing most of the ships' captains and leading mutineers, abandoning others on the coast. The *Santiago* was lost in a storm before the strait that now bears Magellan's name was discovered in October 1520.

While exploring the strait, the *San Antonio* deserted, returning to Spain, but the remaining three ships continued to the ocean that Magellan named *Mar Pacifico*, because of its apparent calmness.

Striking north-west, they crossed the equator in February 1521 and by March had reached the islands known today as the Philippines. Magellan became embroiled in a dispute between two chiefs, which

escalated into a skirmish on Mactan Island, where he was killed. More deaths followed and when the Europeans escaped, too few men remained to crew three ships. The *Concepción* was burnt, and the survivors fled to Brunei.

In November, the remaining crew finally reached the Spice Islands and traded with the Sultan of Tidore. Loaded with spices, they attempted to return home by sailing west across the Indian Ocean, which hadn't been Magellan's intention, until the *Trinidad* started leaking. The damaged ship stopped for repairs and eventually tried to return via the Pacific, but was captured by the Portuguese and subsequently sank. Meanwhile, under the captaincy of Elcano, the *Victoria* continued, limping around the Cape of Good Hope on 6 May.

Twenty men starved on the last leg and 13 were abandoned on Cape Verde, but around 6 September 1522, after three years' absence, the *Victoria* arrived in Spain, having completed the first circumnavigation of the planet.

58

The number of years before another round the world voyage was achieved – by Francis Drake who arrived home in 1580

## IT'S PARTY TIME

A 1522 celebration of the expedition that, despite its leader's death, accidentally went round the world



## BEATEN BY BAMBOO

# THE BATTLE OF MACTAN

In the Philippines, Magellan communicated with local rajahs through his Malay slave, Enrique. A number of island chiefs, including Cebu's Rajah Humabon, converted to Christianity. In return, Magellan supported Humabon in a disagreement with a neighbour, Lapu-Lapu, a chief on Mactan Island, who declined to convert or bow to the Spanish crown.

On 27 April 1521, 60 heavily armed Europeans accompanied a fleet of indigenous boats to Mactan, where Lapu-Lapu again refused to recognise the authority of Humabon or the Spanish.

Facing 1,500 warriors, Magellan – presumably confident of the shock-and-awe capability of his superior weaponry, which included guns, crossbows, swords and axes – instructed Humabon to hang back, while he waded ashore with an attack party of just 49 men.

They torched several houses in an attempt to scare the islanders, but this whipped Lapu-Lapu's warriors into a battle rage. In the resulting beachfront melee, where the Europeans were weighed down by their armour, Magellan was identified and injured by a bamboo spear thrust. Felled, he was surrounded and killed, along with several others. Their captain dead, the survivors retreated to the boats.

More deaths followed, when Humabon turned against the Europeans – possibly in support of Enrique, who the sailors refused to release, despite Magellan's orders to do so in the event of his death. Several were poisoned during a feast, including Duarte Barbosa and João Serrão, who'd assumed leadership of the expedition. Juan Sebastián Elcano took command, and ordered an immediate departure.

## MACTAN REMAKE

Most years, the Battle of Mactan is reenacted by the islanders. To recreate the drama, over 150 actors **don loincloths** or Spanish armour, while specially built makeshift huts are **set on fire**.



**MAGELLAN MEETS HIS MATCH**  
Weighed down by armour, and perhaps his colonialist prejudices, the navigator underestimated Lapu-Lapu's warriors



### LIMPING IN TO PORT

Five ships set off on Magellan's expedition but only one, *Victoria*, returned. It is thought their leader didn't tell the expedition's c270 sailors where they were going because they'd be too frightened. **Just 18** of the Europeans **survived**.

## "NO MAP MAKER COULD HAVE PREPARED MAGELLAN FOR THE CRUSHING MAGNITUDE OF THE PACIFIC"

**HOME AND DRY**  
Captained by Elcano, the *Victoria* rounds Cape St Vincent on the approach to home

TURN OVER TO EXPLORE THE *VICTORIA* - THE FIRST SHIP TO SAIL AROUND THE WORLD

## SURVEYING THE SEAS OFF THE CHART

The newly-invented printing press, along with Renaissance-led artistic advancements, heralded a revolution in map making during the 15th century. Now, detailed navigation charts, showing natural features and compass lines, could be produced.

Reliable cartography and geographical knowledge remained valuable intellectual property, however, for economic, military and diplomatic reasons. They were jealously guarded, but there was collaboration, particularly among the Portuguese. Just as Diogo Cão benefited from Henry the Navigator's work, so Bartolomeu Dias provided expertise on avoiding the doldrums, catching the Southern Trade Winds, and rounding the cape to Vasco da Gama on his trip to India.

While explorers often travelled out blind, they lit up the world in their wake. Columbus didn't know where he was when he landed in the Bahamas in 1492, but with him was Juan de la Cosa, a Spanish cartographer. In 1499, de la Cosa accompanied Alonso de Ojeda to South America, after which he created the earliest European world chart

### TO THE NEW WORLD

Cosa's sea chart shows the New World, so recently discovered, and features a **compass rose**. The Tropic of Cancer (top) and equator are shown in red and the Tordesillas line in blue. **Christopher**, patron saint of travellers, is seen on the left.



to incorporate the Americas. Eight years later, the world map *Universalis Cosmographia* by German cartographers Martin

Waldseemüller and Matthias Ringman had the first known use of the word America, and showed it unconnected to Asia.

Magellan worked with cosmographer Rui Faleiro - a pioneer in applying scientific methods of determining latitude and longitude - to plan his expedition. Portuguese cartographers Jorge Reinel and Diogo Ribeiro also developed charts for Magellan's journey, but no map maker could have prepared him for the crushing magnitude of the previously uncrossed Pacific Ocean. In

### MAN WITH A PLAN

**RIGHT: Cartographer Juan de la Cosa, who travelled with Columbus**  
**MAIN: Cosa's 1500 sea chart**



1527, Ribeiro used data from Magellan's epic expedition to create the first scientific world map, the *Padrón Real*.

Magellan's crew kept a periplus, a book in which they documented day-by-day locations, distances and landmarks. This revealed that the expedition lost a full day during the westward circumnavigation, going against the rotation of the Earth.



# THE VICTORIA

*The first round-the-world vessel was an example of one of the most successful ship designs ever*

**M**agellan's ambitious expedition was a gruelling experience for the crew, but the only ship to survive the trek, the *Victoria*, was put through its paces, too. A carrack – or a *nao*, as the Portuguese called them – the *Victoria* retained many of the innovations that had made caravels

fast and manoeuvrable, but with a few key advantages. Carracks were much bigger, with more masts and sails, plus a huge freeboard, a forecastle and an aftercastle. All this meant the *Victoria* could carry more men and, very importantly, more cargo than its predecessor could have done.

## SAILS

Carracks typically had square sails on the foremast and main mast. This mizzenmast, at the back, had a lateen (triangular) sail.

## SAIL SURFACE

*Victoria* had a sail surface of 290 square metres.

## FORECASTLE

## RUDDER

One of the big innovations on the caravel had been a rudder on a sternpost, which gave more manoeuvrability than a steering oar. Carracks retained this innovation.

## MANOEUVRABILITY

For centuries, ships were manoeuvred with a huge steering oar, but these could interfere with the sails and slow the vessel down. The carrack's rudder made it easier and more efficient to steer.



### MAINMAST

The square sails of the foremast and main mast provided a much larger sail area than the caravel's all-lateen sails, and so the carrack was much faster – provided the wind was right.

### VICTORIA REBORN

Built in 1992 for Seville's World Expo, the carrack *Victoria* is a **full-scale replica** of the historical ship that sailed around the world. Magellan's original vessel was built in the Basque region, an area known for shipbuilding.



**“THE GLOBAL LOOP WAS NEVER PART OF THE PLAN UNTIL DISASTER STRUCK”**

### FOREMAST

Mounted with square sails and an additional small topsail.

### PROPORTIONS

In carracks, the length of the boat was four times bigger than the beam (width at the widest point).

### WEIGHT

*Victoria* weighed approximately 170 tons and displaced 102 tons.

### AFTERCASTLE

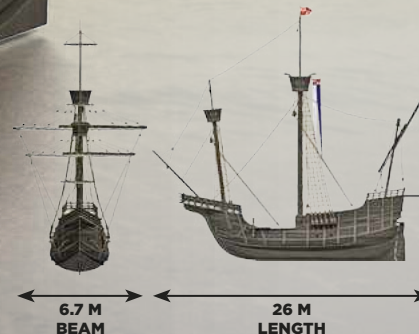
### FREEBOARD

The carrack has a huge freeboard – the section of a ship's hull that sits above the waterline, as oppose to beneath it.

### FACT FILE



FREEBOARD



### DECKS

*Victoria* had four decks, with a total of around 120 square metres of useful surface.

### STORAGE

Carracks could carry more cargo than caravels, so were ideal for longer voyages. A ship of *Victoria*'s size could carry a crew of around 100.

### WOOD

Most of the ship was built with pine and oak.





# A SAILOR'S LIFE

*Life at sea was a struggle – the odds of staying alive and finding your way home were not good*

**L**ife on board ships in the Age of Discovery was typically uncomfortable, unhealthy, dangerous and monotonous. Many expeditions lasted for several years, during which extended periods of time would be spent on the open ocean, where sleeping and working conditions were woeful and the daily diet dreadful. Exposure, draconic discipline, cramped conditions and the ever-present scourge of scurvy were sailors' constant companions.

2  
MILLION

The number of sailors estimated to have died of scurvy between 1500 and 1800

Ships were often manned by a mix of nationalities. As well as Spaniards and Portuguese, Magellan's fleet had sailors from Greece, Sicily, England, France, Germany and North Africa. Ships were hierarchical; crew ranged from peasant pages (boys as young as eight, who did the most menial jobs) to skilled seamen such as the pilot, boatswain, gunner, carpenter and barber, who would also operate as the ship's surgeon and dentist. In between were the apprentices (*grumetes*) and sailors (*marineros*).

## FRYING TONIGHT

This fishing set was probably used by crew to supplement their rations.

## HARD TACK

Ship's biscuits of flour and water (dunked before eating) could last for years if kept dry.

## RUB IT IN

A contemporary surgeon's canister, which held beeswax and poppy oil for inflammations.

## FOOD

A sailor's main rations consisted of salt beef and pork, cheese, fish and some form of ship's biscuit, usually full of maggots and weevils (called hard tack by British sailors). Sailors drank large quantities of beer, which stored longer than water. During the Age of Discovery, food was cooked barbecue style on the open deck, often by sailors who had been wounded and were unable to do other tasks.

## WATCH DUTY

A ship's crew was divided into three watches, rotating day and night. Columbus's crew worked four-hour shifts, measured using sandglasses (hourglasses). Glass bulbs allow a regulated trickle of sand from top to bottom. Once the top is empty, it is tipped to begin again. These usually measured 30 minutes, the length of time between 'bells', eight of which made up a watch.

**EIGHT BELLS**  
A sandglass from the *Mary Rose*, the carrack-type ship of the English Tudor navy, built 1509-1511.



## HEALTH

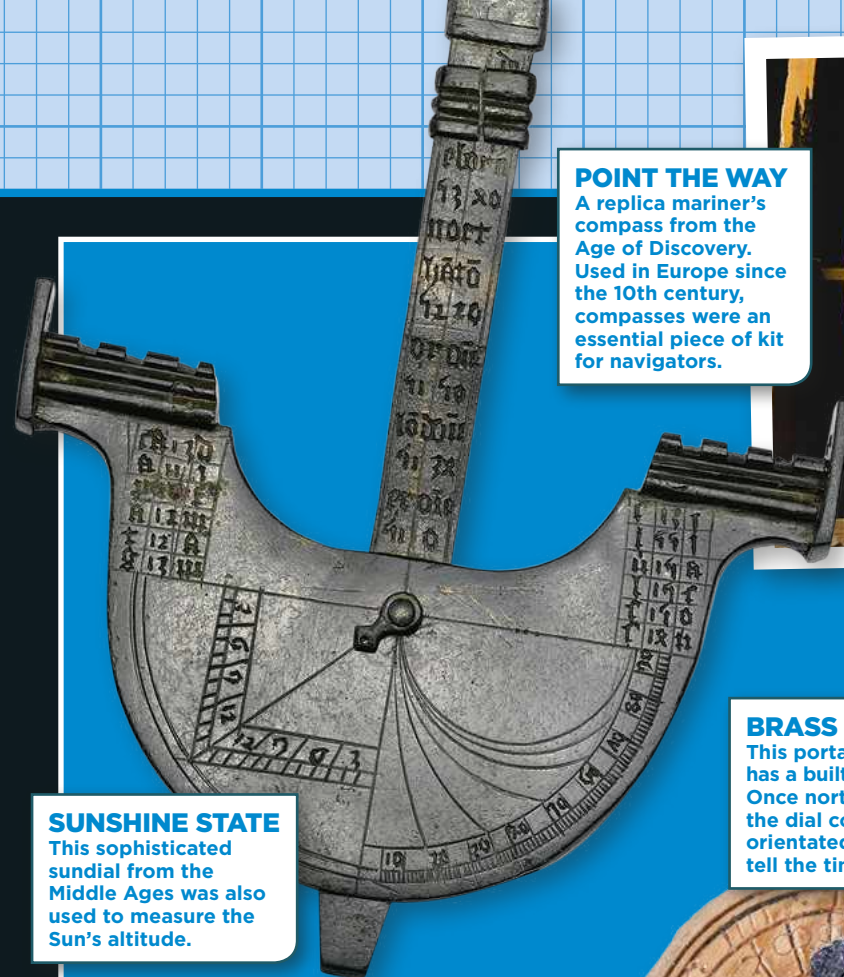
Scurvy, which rots skin and gums, causes teeth to fall out and can lead to insanity and death, was suffered by most sailors. They also fell ill from excess salt (from ship's meat). Infections and gangrene were common after injury, since surgeons operated in squalid conditions.

## AMPUTATION

Surgeon's mallet from *Mary Rose*, for amputations, carried out without anaesthetic.





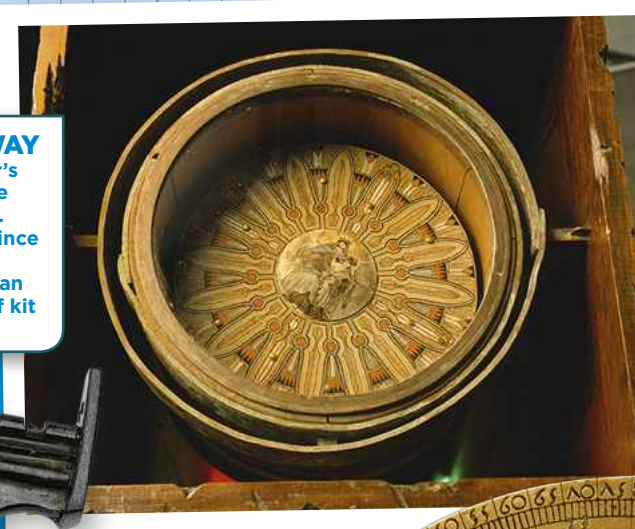


### SUNSHINE STATE

This sophisticated sundial from the Middle Ages was also used to measure the Sun's altitude.

### POINT THE WAY

A replica mariner's compass from the Age of Discovery. Used in Europe since the 10th century, compasses were an essential piece of kit for navigators.



### BRASS IN POCKET

This portable sundial has a built-in compass. Once north was located, the dial could be orientated correctly to tell the time.



### DEGREE OF LATITUDE

Astrolabes such as this helped measure latitude (north-south position on the Earth's surface) to steer a ship's course.

## NAVIGATION

Correct navigation was life or death for sailors. Besides dead reckoning, which 'guesstimated' course and speed, seafarers also used a magnetic compass. With the help of instruments such as sea charts, astrolabes and backstaves, navigators used the Sun, the Pole Star and the horizon to work out the time and their position.

### ROUGH SLEEPING

Sleeping on deck was dangerous, as seamen could be thrown about in high seas.



## SLEEPING

Columbus discovered the concept of hammocks in the Bahamas, but before they were widely introduced on boats, sailors would sleep on the deck wherever they could find some space and a little comfort, such as a coil of rope.



### MUTINY!

Ringleaders would be executed, but ordinary mutineers were needed and often forgiven.

### MAKING AN EXAMPLE

In 1520, mutiny broke out on the Magellan expedition, then in South America. Some leaders were killed then **drawn, quartered and impaled upon sticks**. Others were marooned on the coast. Most sailors were forgiven.

## DISCIPLINE

To maintain order, rules were strict and penalties severe. The most common was flogging, but other methods of discipline, borrowed from the Spanish Inquisition, included the *toca* (a form of waterboarding) and the *strappado*, where men were strung up by their wrists.









# WHO DISCOVERED AMERICA?

Explorers Columbus and Cabot could both have claimed the discovery of the New World, but while one found fame, fortune (and later on, disgrace) the other almost disappeared from history

ALAMY X2, THINKSTOCK X2





**D**uring the late-15th century, European eyes were firmly cast on the Portuguese. They were making more and more headway on their mission to find a sea trading route with India in the east, by sailing down the coast of Africa. That discovery, it was correctly anticipated, would trigger an earthquake in the global economy. With all of this to worry about, the powers of the world hardly noticed when two explorers with itchy feet set sail to the west.

The story of how these two adventurers – Christopher Columbus and John Cabot – both came to be in the employment of foreign powers and accidentally stumbled upon a new world, is a remarkable one, and the impact of their discoveries would change the course of human history.

## INTREPID EXPLORERS

Few historical characters have a legacy quite as double-edged as that of Christopher Columbus. In popular history, the stubborn globetrotter from Genoa (then an independent state, now part of Italy) is lauded as the European who discovered America – but in fact he didn't have

a clue where he was when he landed on a beach in the Bahamas in 1492.

Worse, Columbus's continued insistence that he'd found another side of the Indies – a claim that he clung to until death – resulted in the Americas being named after a rival, Florentine explorer Amerigo Vespucci, one of his more clued-up contemporaries who knew they were exploring a new world.

## “CABOT BEAT COLUMBUS TO THE MAINLAND OF THE AMERICAS BY AS MUCH AS A YEAR”

Monumentally mistaken Columbus may have been, but his discoveries were destined to have a profound effect on the course of history, and resulted in spectacular returns for his sponsors, Ferdinand II of Aragon and Isabella I of Castile, and their newly-minted Spanish Empire. Yet it all ended in disaster, disgrace and disappointment for Columbus, with arrests, spells in chains, public humiliation, reneged agreements and bitter recriminations. Although he has been revered as a hero,

recently his reputation has been blighted by revisionist revelations of horrific acts of violence and cruelty, inflicted on indigenous people and on settlers.

But at least Columbus is remembered. Consider the plight of his compatriot John Cabot. John who? Well, exactly. Cabot was another intrepid Genoese who left Europe in the 1490s, sailed west looking for the Orient and instead found new land, which ended up being called Newfoundland.

Cabot, who had lived for several years in Venice, was commissioned by England's King Henry VII. He sailed from Bristol in a caravel called the *Matthew* in May 1497. A few weeks later, on 24 June, he landed in modern-day Canada, becoming the first known European to stretch his sea legs on North American soil since the Vikings.

Cabot may have beaten Columbus to the mainland of the Americas by as much as a year – depending on where he landed. Cape Bonavista, Newfoundland, is the most popular theory, but others suggest Nova Scotia, Labrador or Maine. It wasn't until Columbus's third trip across the Atlantic in 1498 that he went beyond the Caribbean and stuck a Spanish flag in South



### VOYAGE INTO THE UNKNOWN

ABOVE: Columbus sets off from Palos in Spain on his first voyage in 1492  
RIGHT: Land ho! The explorer's moment of discovery celebrated in a statue in Barcelona

### GREAT EXPECTATIONS

Columbus had a lot at stake on his first voyage. His agreement with the Spanish crown was that he become governor of any new lands plus he would keep **10 per cent of the wealth** he brought back.





## ALL THIS COULD BE YOURS

Columbus, seen showing a map to Ferdinand and Isabella, gained royal support with the promise of new land and riches

American soil, somewhere in the Gulf of Paria in Venezuela. He never ventured to North America.

Cabot has not just been neglected by posterity, he was under appreciated in his own lifetime. In 1497, Henry VII rewarded "hym that founde the New Isle" with a prize of just £10. Although he did also receive a pension of £20 per year, perhaps he would have fared better if, like Columbus, he had shown up with evidence of gold, instead of fertile fishing grounds.

## COLUMBUS GOES WEST

Long before he set sail for the west, Columbus had set his mind on the idea. He was influenced by the theories of Florentine astronomer Toscanelli who, as early as 1470, had proposed that the best route to the east was to sail west, and sneak through the back door.

Formulating a plan he dubbed the 'Enterprise of the Indies', Columbus twice presented his ideas to Portugal's King John II. In 1485, John's royal experts

decided the would-be explorer had undercooked his estimated distances, and they were right. Columbus underestimated the size of the plane, and made a number of other critical geographical errors, including getting the distance represented by each degree of longitude wrong. The second time he proposed a westward expedition, in 1488, his timing was terrible; Bartolomeu Dias had just rounded the Cape of Good Hope and the Portuguese were close to establishing a direct eastward trade route.

Frustrated, Columbus took his plans to France, England and, finally, Spain, where King Ferdinand and Queen Isabella



## AMERICAN PIONEER

ABOVE: John Cabot embarks from the port of Bristol, 1497  
INSET: Henry VII's commission to the explorer

RIGHT: Cabot lands on the mainland of the Americas, anticipating the arrival of Columbus by around a year

rejected them several times until, in 1492, with the royal coffers running low after their successful campaign to subdue Granada, the

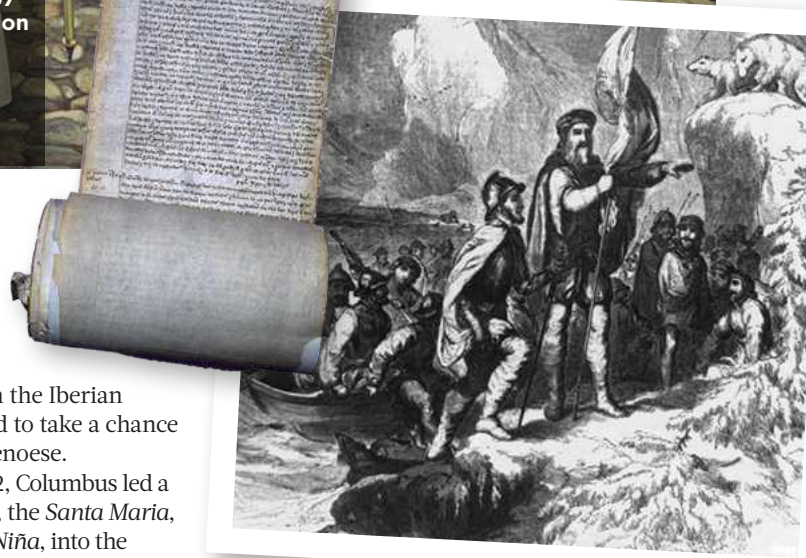
last Muslim stronghold on the Iberian Peninsula, they agreed to take a chance on the tenacious Genoese.

On 3 August 1492, Columbus led a fleet of three ships, the *Santa Maria*, the *Pinta* and the *Niña*, into the Atlantic. Ten weeks later, on 12 October, terra firma was sighted.

After landing in what is now the Bahamas, Columbus spotted Cuba (which he thought was China) and explored Hispaniola (which he mistook for Japan). His flagship, the *Santa María*, was wrecked here, in present-day Haiti, while the crew were apparently drunk or asleep. Columbus ordered the ship's wood to be used to construct a fort, named *La Navidad*, or Christmas (as it was around 25 December) and left 39 men behind to set up a colony.

Columbus was a skilled sailor with good knowledge of the *volta do mar* ('turn of the sea', the Portuguese expression for trade winds) and he was back in Spain by March 1493. Ferdinand and Isabella, pleased with his bounty of gold, spices, and even 'Indian' captives, gave him the title Admiral of the Ocean Sea. A fleet of 17 ships was made available for a second journey, and he sailed west again in September 1493.

Despite discovering that all the men he'd left in *La Navidad* had been killed by the indigenous



people of the Caribbean, Columbus dropped off a large contingent of settlers – between 1,200 and 1,500 – on the other side of the island, now the Dominican Republic. He left his two brothers in charge of the colony, christened *La Isabela*. On this trip he explored the Lesser Antilles, Puerto Rico, Jamaica and Cuba, but his welcome back was less enthusiastic, as the expedition hadn't covered its costs.

Against the backdrop of Vasco da Gama's attempt to sail from Portugal around Africa to India, Ferdinand and Isabella commissioned a third transatlantic trip in 1498. This time, Columbus was instructed to locate a strait through the landmass he'd discovered, to the unknown ocean on the other side, where, they assumed, India lay waiting.

After visiting Trinidad, he finally landed on the South American mainland (in present-day Venezuela) in August 1498, and sighted the mouth of the Orinoco River. The immense

6  
The approximate miles that a young Columbus swam to shore after being shipwrecked near Portugal in 1476





## EXPERT VIEW

*Dr Evan Jones,  
Cabot Project,  
University of Bristol*

## THE CONSEQUENCES OF THE AGE OF DISCOVERY ARE STILL FELT TODAY

**Which was the greatest single journey made during the Age of Discovery?**

The greatest voyage in terms of its consequences was that of 1492. Whether you regard Columbus as brave or mad is another matter.

**What sparked the explosion of exploratory zeal across Europe?**

Fear, then greed. In the 15th century, fear of Ottoman expansion in south-east Europe, plus the power of Islamic states, kicked off the voyages. As profits began to be made, people became convinced that exploration could yield great returns.

**How much public interest was there in the exploits of the explorers?**

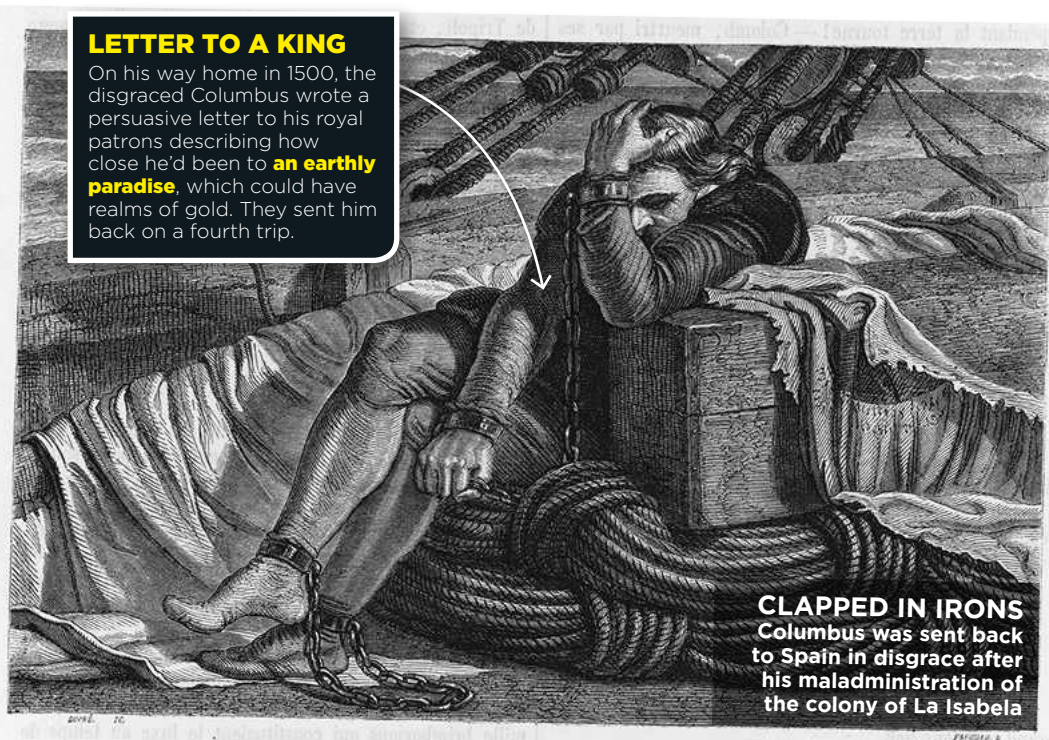
Most people would have barely been aware of the voyages and nobody foresaw their long-term consequences. What we see as the most important were not necessarily regarded as such at the time. Da Gama's return from India in 1499 caused consternation to those in Mediterranean commerce because it had such potential to disrupt trade networks, wrecking the economy of Venice, in particular. The voyages to the Americas of the 1490s attracted less interest until the 16th century.

**Why has Cabot largely been ignored?**

Mainly because little was recorded about his voyages at the time. By 1508, following a decade of voyages from Bristol to the New World, it seemed they'd failed. Europe wanted trade routes to the east or people to trade with. In North America it found neither.

**Why do we remain so fascinated with these explorers today?**

In the 16th to 19th centuries, people became fascinated by the discovery voyages as their long-term consequences became apparent. That the USA is today the world's global superpower is, after all, just one consequence of 1492.



### LETTER TO A KING

On his way home in 1500, the disgraced Columbus wrote a persuasive letter to his royal patrons describing how close he'd been to **an earthly paradise**, which could have realms of gold. They sent him back on a fourth trip.

**CLAPPED IN IRONS**  
Columbus was sent back to Spain in disgrace after his maladministration of the colony of La Isabela

## "FAR FROM VANISHING, CABOT EXPLORED THE ENTIRE EAST COAST OF NORTH AMERICA"

flow told him he was standing on a continent, not an island, and the devout explorer believed it may be Eden. Thoughts of paradise were quickly dispersed, however, when he called in to La Isabela and found the settlers in open revolt. They were livid about being misled by promises of wealth in the New World and resentful of the despotic rule of the Columbus brothers. He restored order with a brutal vengeance, but Ferdinand and Isabella had already sent Spanish Chief Justice to investigate and, in 1500, Columbus was hauled back to Spain in chains.

### POLITICAL STORM

Meanwhile, in May 1498, Cabot had left from Bristol on another Atlantic expedition. This time he had five ships (one of which may have been abandoned

in Ireland after a storm) and was allegedly accompanied by several friars. At this point, Cabot sails into some serious sea mist. Very little information about his fate exists, and for years most historians assumed he was lost at sea.

However, the foremost expert on his life, the late Dr Alwyn Ruddock, thought that far from vanishing, Cabot actually explored the entire east coast of North America, claiming it all for the British crown. The historian found evidence that Cabot travelled as far as South America, where he ran into one of Columbus's captains, possibly Alonso de Ojeda, and blundered into the eye of a political storm.

According to the *Treaty of Tordesillas*, these western lands were Spain's to explore and exploit. Henry VII was in the middle of arranging a marriage between his son, Arthur, and Catherine of Aragon, daughter of Ferdinand and Isabella, to cement an alliance against France. Things were delicately poised and Cabot's wanderings threatened to compromise

Henry VII's plans – as a result, news of the explorer's achievements was subdued.

Ruddock believed Cabot quietly returned to Bristol in 1500, and died shortly afterwards. Unfortunately, she never published her full findings and ordered all her notes be destroyed after her death in 2005. The Cabot Project at Bristol University is currently attempting to put the jigsaw back together, and discover the true extent of John Cabot's travels and achievements.

So how did the story end for Columbus? Despite being dragged back in disgrace from his

# 20

The pension, in pounds, that Henry VII granted to John Cabot upon his discovery of North America



### GONE WEST

A statue of Cabot graces the docks at Bristol, the port from which he embarked in 1497





previous trip, the explorer was sent on a fourth expedition by Ferdinand and Isabella, who had developed a royal appetite for the riches he had hinted at on the new continent. He left in May 1502, on a mission to locate a passage through to India and collect gold.

## A CASTAWAY

This final journey was a disaster. Columbus became stranded on present-day Jamaica when his ships became unseaworthy. With his crew, he lived as a castaway for a year, until eventually being rescued after two of his captains had canoed 450 miles to Hispaniola to raise the alarm.

Christopher Columbus finally returned to Spain in November 1504. Queen Isabella died a few weeks later, and he never managed to get another audience with King Ferdinand.

The explorer himself died on 20 May 1506, a wealthy-but-embittered man and one who left an extraordinary legacy. 📍

# WELSH WANDERERS

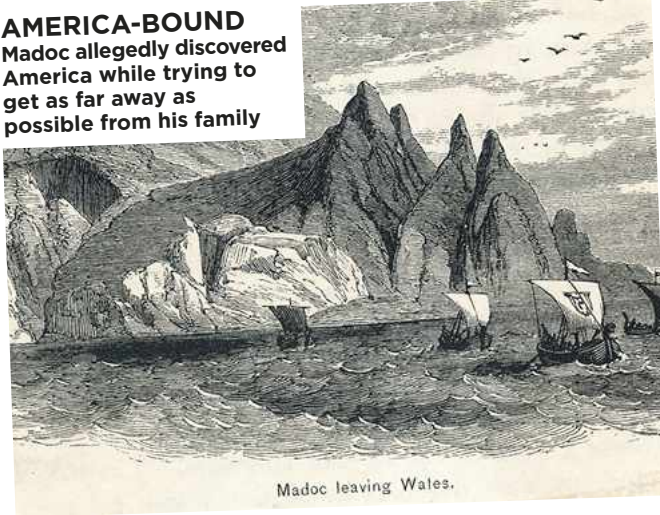
## Did a Welshman reach America in 1170?

The Vikings crossed the Atlantic around 1000, some 500 years before Columbus was beached in the Bahamas and Cabot

crashed into Canada. But did a Welshman beat both men to the Americas? An intriguing legend tells of Prince Madoc and his brother Rhirid who, in 1170 – upset with family infighting after the death of their father, the Welsh king Owain Gwynedd – upped sticks and set sail west, all the way across the Atlantic to a new land where they settled and interbred with the indigenous population.

The story was given substance by the discovery of some Native American tribes with a dialect that sounded very much like Welsh. Moreover, the Mandan Indians used boats with the same design as traditional Welsh coracles. The yarn was popular currency in Elizabethan England, when it was retold by respected writers such as Richard Hakluyt. It was used as propaganda to back up the crown's claims to land already requisitioned by the Spanish. Sadly there's no hard archaeological evidence to support it.

**AMERICA-BOUND**  
Madoc allegedly discovered America while trying to get as far away as possible from his family



# DID YOU KNOW THAT YOU CAN ENJOY HISTORY REVEALED ON YOUR COMPUTER, TABLET AND SMART PHONE?



## DIGITAL EDITION

Read *History Revealed* on your iPad, iPhone, Android device or Kindle Fire tablet. You can also download the digital mag from Zinio.com to read on your computer.



@HISTORYREVMAG

Follow us on Twitter to stay abreast of what's happening in the world of history and to get loads of great facts. Find us at [Twitter.com/HistoryRevMag](https://twitter.com/HistoryRevMag)



Enjoy our Premium App experience now available from



**WWW.HISTORYREVEALED.COM**

Get loads of extraordinary stories, facts and trivia from the past and enjoy our weekly quiz at [www.historyrevealed.com](http://www.historyrevealed.com)



**HISTORY REVEALED**

Keep up to date with the latest from *History Revealed* and have your say on the mag. Like our page at [Facebook.com/HistoryRevealed](https://Facebook.com/HistoryRevealed)





# TIMELINE Milestones in

With few charts to guide the way, early European navigators risked danger

1291

Brothers Vandino and Ugolino Vivaldi from Genoa pass Gibraltar, through the Pillars of Hercules, in the first-known attempt to sail from Europe to India. They're never seen again.

Map's end: the Pillars of Hercules at the mouth of the Mediterranean Sea



c1450

Sponsored by Portugal's Prince Henry the Navigator, the agile caravel ship is developed, allowing explorers to venture further and faster.

29 MAY 1453

The fall of the Christian city of Constantinople (now Istanbul). The Ottoman Empire's capture of the key city slams the door on overland trade routes between Europe and the east - making the discovery of a sea route imperative.



28 AUGUST 1481

John II becomes Portuguese King, rekindling efforts to explore Africa's coast in search of a sea route to the Orient.



27 APRIL 1521

Magellan dies in battle at Mactan (Philippines). By the time the expedition limps back to Spain on 6 September 1522, via the Indian Ocean, it is led by Spaniard Juan Sebastián Elcano. The ship, the *Victoria*, has made the first circumnavigation of the world.

20 SEPTEMBER 1519

Portuguese explorer Ferdinand Magellan leads a large Spanish expedition into the Atlantic, seeking a western route to the Orient via South America.

1507

German cartographers Waldseemüller and Ringmann produce the *Universalis Cosmographia*, a world map containing the first use of the word America and showing that the New World is unconnected to Asia.

MAY 1502

Columbus begins his fourth and final journey across the Atlantic. It ends in disaster and a year spent stranded on Jamaica.



GETTY X1, THINKSTOCK X2



1524

Italian Giovanni da Verrazzano explores the Atlantic coast of North America, including New York Bay.

24 JULY 1525

Spaniard García Jofre de Loaísa leads a large fleet to Asia via the western route, intending to colonise the Spice Islands in the East Indies for Spain. One ship accidentally rounds Cape Horn. The expedition ends in disaster and the death of de Loaísa, Elcano and hundreds of others.

1543

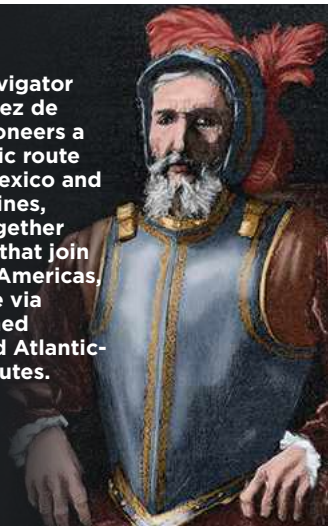
Portuguese traders, thought to include the writer and explorer Fernão Mendes Pinto, arrive at Tanegashima, Japan, by mistake, and become the first Westerners to trade with that Eastern nation.

1558

Mary I, Catholic Queen of England and wife of Philip II of Spain dies. She is succeeded by the Protestant Elizabeth I. This new clash of religions, among other factors, leads to a breakdown in relations between England and Spain.

1565

Spanish navigator Miguel López de Legazpi pioneers a cross-Pacific route between Mexico and the Philippines, knitting together trade links that join China, the Americas, and Europe via the combined Pacific- and Atlantic-crossing routes.



ALAMY X9, ART ARCHIVE X1



# the Age of Discovery

and death to seek treasure and new lands

**JANUARY  
1488**

Portugal's Bartolomeu Dias leads the first European expedition to survive rounding the Cape of Good Hope and the Southern tip of Africa.

**12 OCTOBER 1492**

Christopher Columbus makes landfall on an island in the Bahamas, believing he has reached the Indies. Unbeknown to anyone at the time, it's a pivotal moment in Western history.



**25 SEPTEMBER  
1493**

Columbus embarks from Cadiz, Spain, heading off on a second mission, with 17 ships and a large colony of settlers bound for Hispaniola.

**7 JUNE 1494**  
Portugal and Spain sign the *Treaty of Tordesillas*, claiming authority over all new land to the east and west (respectively) of an imaginary meridian line running down the Atlantic.



**30 MAY 1498**

Columbus departs from Sanlúcar, Spain for his third transatlantic expedition, landing for the first time on the mainland of the Americas, in what is now Venezuela.

**20 MAY 1498**

Portuguese explorer Vasco da Gama arrives at Calicut in Kerala, India, directly connecting Europe to the lucrative spice trade and unleashing a tsunami of change that will sweep across the Western and Eastern worlds.

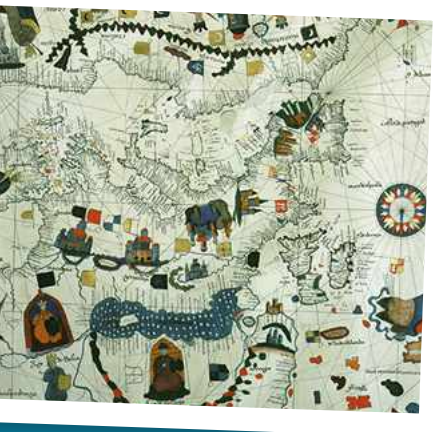
**24 JUNE 1497**

Setting out from Bristol, the *Matthew*, captained by John Cabot, a Genoese-born Venetian employed by Henry VII, lands in Newfoundland. The crew are the first-known Europeans on North American soil since c1000, when Vikings landed.



**1500**

Spanish cartographer Juan de la Cosa completes the first world map to include the New World (the Americas).



**JUNE 1579**

Sir Francis Drake lands in modern-day California, claims all of America north of New Spain (now Mexico) for the English crown, and names it *Nova Albion* (New Britain).

**26 SEPTEMBER  
1580**

On the *Golden Hind*, Sir Francis Drake sails into Plymouth. His ship is not only full of spices and purloined Spanish bounty, but has just completed may have been the second-ever circumnavigation of the globe.

**1584**

Elizabeth I grants the English adventurer and writer Sir Walter Raleigh a charter to colonise America.

**1585**

As a result of religious conflict and commercial disputes over trade with the New World, the Anglo-Spanish War begins. It rages on and off until 1604.

**24 MARCH 1603**

Queen Elizabeth I dies, bringing the Tudor age of discovery to an end.





### ON THE HIGH SEAS

Drake sailed round the world in the *Golden Hind*. All that remains of the original are a chair made of the timbers, at the Bodleian Library, Oxford, and a table at Middle Temple, London. This working reconstruction was built in the seventies and is based in London.







---

---

# SIR FRANCIS DRAKE ENGLAND'S SEA DRAGON

The first Englishman to sail around the world, Drake was feted at home for filling Elizabeth I's coffers with stolen treasure, but hated by Spain, who feared the man they called 'El Draque'

---

---





**T**he Protestant Queen Elizabeth I ascended the English throne in 1558, succeeding her half-sister Mary I, a Catholic who'd been married to King Philip II of Spain. The relationship between the two European powers quickly soured.

Philip considered Elizabeth a heretic and felt duty bound to protect England's Catholics. The new Queen observed with alarm and resentment the growing wealth and power of the Spanish, as they extracted a seemingly endless supply of treasure from their new territories in the Americas.

Fuelling the Spanish King's anger and delighting the English Queen in equal measure were the buccaneer-like shenanigans of a swashbuckling English sea captain called Francis Drake, known to the Spanish, who considered him a pirate, as *El Draque* – the Dragon. The eldest of 12 sons born to a Protestant farmer and vicar in Tavistock, Devon, in around 1540, Drake's seafaring career began early, when he was apprenticed to a neighbour who owned a trading barge. From such lowly beginnings he would become vice admiral of the English fleet and a knight of the realm. He is remembered as an icon of the

Tudor age and one of the most famous English naval leaders in history.

Drake was first and foremost a privateer, captaining a private ship given permission by the crown (often unofficially) to attack enemy ships. His popularity was built on the hurt he heaped on England's enemy, Spain, although it began in less-than-glorious circumstances. During a slave-running expedition with his cousin Sir John Hawkins, an English pioneer of

## DRAKE WAGED A VIOLENT VENDETTA AGAINST PHILIP II'S INTERESTS, POCKETING AS MUCH TREASURE AS HE COULD

the trade in humans, Drake narrowly escaped with his life when they came under attack from the Spanish in the port of San Juan de Ulúa, in modern-day Mexico, in 1568. Thereafter, Drake waged a violent vendetta against Philip II's interests around the globe, pocketing as much treasure as he could in raids that were wholeheartedly, if clandestinely, encouraged by the English monarch.

In 1577, shortly after Drake had conducted a chaotic but lucrative attack on the Spanish Main (the Isthmus of Panama), where he had stolen 20 tons of gold and silver from a Spanish

mule train, Elizabeth engaged him on a secret mission. She wanted him to explore the Pacific coast of the Americas, disrupting Spanish activities along the way.

Under the pretence of a voyage to Alexandria, Drake would leave Plymouth with a flotilla of ships and travel across the Atlantic with Thomas Doughty (a nobleman and soldier), and John Wynter (a sea captain, later an admiral) through the Straits of Magellan into the Pacific.

As well as harassing the Spanish, they were also to search for the rumoured, but elusive, Northwest Passage. This, it was hoped, would connect the Atlantic and Pacific.

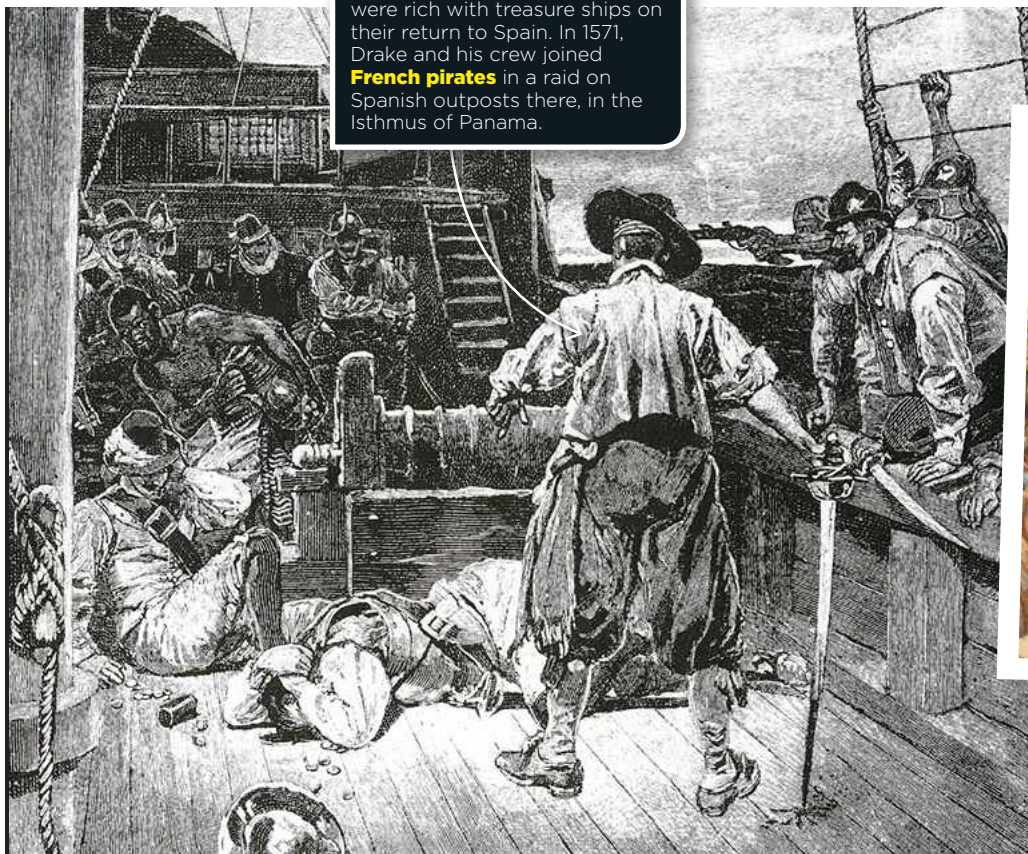
Although command of the expedition was supposedly shared between the three senior

men, Drake quickly assumed leadership. As the only one of the trio to make the full journey, he is credited for its achievements, which were considerable. He may not have found a north-west route to the Orient, but the three-year odyssey saw Drake complete the second-ever circumnavigation of the world, claim North America for the English crown and bring back enormous wealth for his Queen and country.

The epic voyage began disastrously. Horrendous weather ended the first attempt at a launch shortly after the boats set sail on 15 November 1577, and they were forced to seek shelter in Falmouth, Cornwall. On 13 December, they left Plymouth a second time, with five ships: the 100-ton, 18-gun flagship the *Pelican*, plus the *Elizabeth*, *Swan*, *Marigold* and *Benedict* (later, swapped for the *Christopher*). There were

### SCOURGE OF SPAIN

The seas by the **Spanish Main** (the mainland of Spanish America) were rich with treasure ships on their return to Spain. In 1571, Drake and his crew joined **French pirates** in a raid on Spanish outposts there, in the Isthmus of Panama.



### DRAKE'S TRAVELS

ABOVE: Drake gets his first view of the Pacific Ocean at the isthmus of Panama, the narrow strip of land between it and the Atlantic  
LEFT: Drake (boarding, right) and his crew seize a Spanish ship at Santiago, Cape Verde





**PERMIT FOR PIRACY**  
Letters to Drake about his 'trading voyage' from Elizabeth I, 1587

164 men, including Drake's brother, Thomas. A sixth boat was added to the flotilla when it was pinched from the Portuguese south of Morocco. A small vessel, it was renamed the *Mary* and captained for a time by Doughty.

After resupplying on the Cape Verde Islands, the party travelled west across the Atlantic. The journey was tortuous, and when they approached the South American coast in May 1578, so many crew members had been lost that the *Christopher* and the *Swan* were scuttled because there was insufficient manpower to sail them. Later on in the trip, the *Mary* was also burned when rotten beams were discovered.

## WITCHCRAFT AND MUTINY

In June, they made landfall at Puerto San Julian in present-day Argentina, where the bleached remains of Magellan's mutineers were still hanging from gibbets on which the Portuguese explorer had left them after execution in 1519.

Drake believed he was facing a mutiny of his own. He'd become increasingly hostile to Doughty during the awful Atlantic crossing, particularly after the latter had caught his brother, Thomas Drake, stealing supplies. Doughty had been taken off the *Mary* and eventually placed in command of the small supply ship the *Swan*, a major insult to the nobleman. At one point, the *Swan* had been separated from the other boats during a huge storm, and when it rejoined the fleet, Drake had accused Doughty of witchcraft.

All the ills of the unlucky expedition were blamed on Doughty, and when the unhappy party reached San Julian, he was put on trial for mutiny, witchcraft and treason. Perhaps inspired by Magellan's macabre example, Drake ordered Doughty to be beheaded. Drake had dubious authority to carry out such a trial and pass a death penalty, and the incident remains controversial. Shortly afterwards, the *Pelican* was renamed the *Golden Hind*, apparently to honour (or perhaps pacify) Christopher Hatton, a major sponsor of the expedition who had employed Doughty as his private secretary, and whose family crest contains a hind.

**108**

The number of men who went to Roanoke, the colony planned by Raleigh, in 1585

# SIR WALTER RALEGH

The explorer who dreamed of El Dorado

After Drake claimed North America for England in 1579, several attempts were made to establish colonies in Nova Albion. The earliest was organised by another man who'd caught the Queen's eye: Sir Walter Raleigh. An aristocratic soldier, Raleigh's early career was spent in Ireland. In 1584, Elizabeth granted him a charter to establish a colony in America, essentially to gain a foothold in the continent and provide a base from which the English could attack the Spanish. He would name the area Virginia, in honour of the Virgin Queen.

Raleigh never travelled to North America, but in 1584 he organised an exploratory expedition that travelled up the east coast and identified Roanoke Island, in present-day Carolina (then Virginia), as a potential site. The next year, Raleigh's cousin, Sir Richard Grenville, took 108 men to Roanoke to begin work.

Eight months later, after Grenville failed to return with promised supplies, and locals had attacked them, the colonists gratefully accepted a lift back to England with Francis Drake, who dropped in on his way back from raiding the Spanish in the Caribbean. With them, the returning pioneers brought tobacco, potatoes and maize. Grenville arrived at the deserted colony shortly afterwards and left a contingent of men to look after the place – they were never seen again.

In 1587, Raleigh tried again to organise a colony in Virginia. The colonists – men, women and families – were left under the governorship of John White.

After an attack by hostile locals, White came back to England to seek extra help. He wasn't able to return for three years because of the Anglo-Spanish war, and by that time the entire group (90 men, 17 women, and 11 children – including White's daughter and baby granddaughter) had disappeared. It was another 17 years before the Colony of Virginia became properly established.

Meanwhile, after getting one of Elizabeth's ladies-in-waiting pregnant and marrying without the Queen's consent c1591, Raleigh spent time in the Tower of London. He was released to conduct an attack on the Spanish in 1592.

Hearing Spanish rumours of a golden city at the headwaters of the Caroní River, Raleigh set off to explore parts of modern-day Guyana and Venezuela in 1595. The following year, back in Europe fighting in the Anglo-Spanish War, he was injured during the capture of Cadiz.

After Elizabeth died in 1603, Raleigh was accused of plotting against King James and spying for Spain. Sentenced to death for treason, he was imprisoned in the Tower until 1616, when he was released to go to Venezuela in search of El Dorado.

While there, his men attacked a Spanish outpost, contravening the peace treaty recently signed with Spain. On Raleigh's return to England, the Spanish ambassador demanded his death penalty be reinstated. On 29 October 1618, he was beheaded.



## RALEIGH'S MYSTERY

ABOVE: When relief reached the Virginian colony in 1590, the crew found it deserted  
RIGHT: Raleigh fell out of Elizabeth I's good books when he secretly married

## THE LOST COLONY

The colony Governor left Virginia to get help, but on his return, all he found were the words 'Croatoan' carved into a tree, and 'Cro' into another. There was no sign of a struggle. The fate of the colonists is a mystery that intrigues historians to this day.





## FROM PIRATE TO KNIGHT

To avoid censure from Spain, no official inventory was made of the treasure Drake brought home. Only he and the Queen knew the exact sum but it was more than **enough to earn him a knighthood.**

## DRAKE'S HAUL IS ESTIMATED TO BE WORTH £7 MILLION IN MODERN MONEY

**ARISE, SIR FRANCIS**  
Queen Elizabeth knights  
Francis Drake on the deck of  
his ship, the *Golden Hind*

In September 1578, after over-wintering in Patagonia, the depleted flotilla negotiated the Straits of Magellan and entered the Pacific. The ocean was in a very different mood to the one Magellan had encountered 58 years earlier, when he named it. Drake and his crews were hit by a terrible tempest, which drove them south towards Cape Horn. The storm sank the *Marigold* and separated the two remaining boats for so long that the *Elizabeth*, captained by Wynter, eventually limped back to England, believing the *Golden Hind* to be lost.

Undeterred, Drake turned north and proceeded to attack Spanish ports and ships all along the coast of modern-day Chile. Although these raids were largely successful, with valuable seafaring charts being among the spoils, Drake was injured during a conflict with the indigenous Lafkenche people on Mocha Island, an encounter that left him with a deep scar on his face.

After sacking the port of Valparaíso, Drake seized control of a ship full of Chilean wine, but it was off the coast of Peru that he really hit the jackpot. Near Lima, Drake's men captured a Spanish vessel packed with Peruvian gold.

The haul has been estimated to be worth the equivalent of £7 million in modern money, but even more valuable was the intelligence he acquired along with the booty.

## UNIMAGINABLE TREASURE

Drake learned of the *Nuestra Señora de la Concepción* (nicknamed *Cacafuego* – 'the firestarter'), laden with even greater treasure, which was heading west for Panama. He caught up with the galleon on 1 March 1579, close to Esmeraldas in Ecuador. He disguised the *Golden Hind* as a merchant ship until he came alongside the treasure ship and demanded that her captain surrender. The Spanish were taken by surprise and after a very brief struggle, the English captured the ship and with it a massive swag that included 26 tons of silver, 36 kilos of gold, and an enormous amount of jewels.

It was Drake's greatest haul and the flamboyant privateer, giddy with success, threw a dinner party for the occupants of the ship. He then put them ashore with a little souvenir of their experience (jewellery to match their rank) and a letter of safe conduct.

# 26

The number of tons of  
silver seized by Drake  
from one Spanish  
treasure ship



## BEFRIENDING THE LOCALS

Drake established friendly relations with the Coast Miwok Native Americans

Heavy with bounty, but still in search of prey and looking for a potential northern trade route, Francis Drake travelled up the American coast, possibly as far as the 38th parallel (just north of present-day San Francisco) before landing on the shores of what is now California on 17 June 1579. Here he audaciously claimed all of America north of New Spain, from 'sea to sea', in the name of the English crown, naming it *Nova Albion* – New Britain.



After forging good relations with the Coast Miwok Native Americans, Drake and his men stayed at this natural port for long enough to repair their boats and stock up for their return. The exact location of the spot is a matter for conjecture (it was a closely guarded secret at the time, with maps and charts sometimes altered so as to confuse the Spanish).

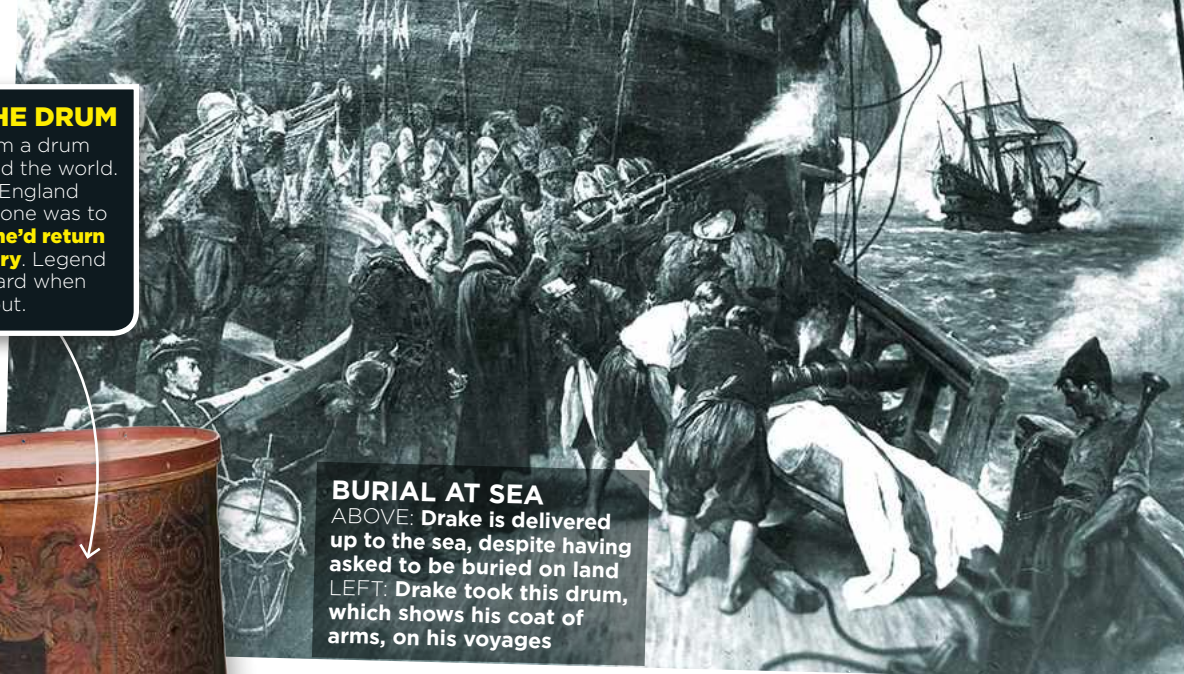
### LEGEND OF THE DRUM

Drake left behind him a drum that he'd taken round the world. Allegedly, he said if England was in danger someone was to beat the drum and **he'd return to defend his country**. Legend has it that it was heard when World War I broke out.



### BURIAL AT SEA

ABOVE: Drake is delivered up to the sea, despite having asked to be buried on land  
LEFT: Drake took this drum, which shows his coat of arms, on his voyages



### WORLD TRIP

Whether or not Drake intentionally set out to complete a circumnavigation of the globe is another subject open for debate, but when he left the Americas he went south-west, searching for the winds that would carry him across the Pacific.

In November 1579, the *Golden Hind* reached the Moluccas (the Maluku Islands, an archipelago within present-day Indonesia), where Drake established trading relations with the Sultan of Ternate and took on six tons of cloves. The ship grounded on a reef in January, and all her treasure was almost lost, but after one day she was afloat again and en route to Java. Striking out across the Indian Ocean, the

crew rounded the Cape of Good Hope without pause, and by 20 July were off the coast of Sierra Leone. Finally, on

26 September 1580, Drake sailed the *Golden Hind* triumphantly back into Plymouth, with 56 men and an almost unimaginable bounty of treasure on board.

Despite its rocky start and misadventures on the way, the expedition had been a huge success financially. Of the loot that accompanied Francis Drake on his return, Elizabeth I's claim was significant. The sum was greater than all the rest of the crown's income for that year and the

treasure trove cleared England's foreign debt. Drake was knighted aboard the *Golden Hind* and his status as an English hero was cemented.

Any pretence of friendship with Spain crumbled, and within five years the nations were at war. Drake was part of the English command that famously inflicted a humiliating defeat on Philip's Armada (see the October 2014 issue), ending Spain's dominance of the seas. His later career involved several less-successful battles against forces in Spanish America, shortly after one of which he died of dysentery aged about 55. He was buried at sea near Portobelo in Panama, in full armour and encased in a lead coffin. 📍

## GET HOOKED!

Our shortlist of where to find out more about the exciting Age of Discovery

### MUSEUMS AND MONUMENTS



#### ▲ GOLDEN HINDE II, BANKSIDE, LONDON

Fully working reconstruction of Drake's flagship. Tours with costumed actors bring the history of the ship to life with tales of his voyages.  
[www.goldenhinde.com](http://www.goldenhinde.com)

#### ALSO LOOK OUT FOR

- Buckland Abbey, Drake's Devon home [www.nationaltrust.org.uk](http://www.nationaltrust.org.uk)
- The Matthew, Bristol, a replica of Cabot's ship [www.matthew.co.uk](http://www.matthew.co.uk)
- The Mary Rose Museum, Portsmouth [www.maryrose.org](http://www.maryrose.org)

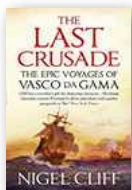
### BOOKS



#### ELIZABETH'S SEA DOGS: HOW ENGLAND'S MARINERS BECAME THE SCOURGE OF THE SEAS

by Hugh Bicheno

The story of the privateers, including Drake, Raleigh and others.



#### THE LAST CRUSADE: THE EPIC VOYAGES OF VASCO DA GAMA

by Nigel Cliff

A well-written, lively and stirring book that tells the story of da Gama's exciting adventures.

#### ALSO LOOK OUT FOR

- The Race to the New World: Christopher Columbus, John Cabot, and a Lost History of Discovery by Douglas Hunter
- Maps and Their Untold Stories by Rosie Mitchell & Andrew James
- Magellan's World by Stuart Waldman (for younger readers)

### ON SCREEN



#### 1492: CONQUEST OF PARADISE (1992)

Epic drama by Ridley Scott, telling a fictionalised story of the discovery of the New World by Christopher Columbus.

#### ALSO LOOK OUT FOR

- The Sea Hawk (1940) with Errol Flynn is a piece of WWII propaganda, loosely based on Drake's exploits



# “Famous last words”

Apologies, complaints, messages of defiance... **Nige Tassell** repeats some memorable final words from history

## CHE GUEVARA

Declassified documents from the US Special Forces Group suggest the Argentinian revolutionary's last words to be **“Know this now, you are killing a man”**. But Jon Lee Anderson's biography of Guevara reports that, in his final moments at his Bolivian encampment in 1967, he told his executor: **“Shoot me, you coward. You are only going to kill a man.”**

**“Shoot me, you coward. You are only going to kill a man”**

## WINSTON CHURCHILL

After an extraordinary life that directed the path of 20th-century history, the former Prime Minister's final utterance in 1965 indicated that he was ready to go after suffering a stroke. **“I am bored with it all,”** he noted, before slipping into a nine-day coma from which he never woke.

**“I am bored with it all”**

## MALCOLM X

**“Brothers! Brothers, please! This is a house of peace!”** When a rehearsed scuffle broke out in the audience while he was giving a speech at the Audubon Ballroom in 1965, the African-American activist tried to placate the apparent trouble-makers. Distracted, he was confronted by three armed gunmen who fired 15 times. He died instantly.



## SALVADOR ALLENDE

As the military closed in on the presidential palace during the 1973 coup, Chilean President shot himself with an AK-47 assault rifle, but not before delivering his final speech live on radio. **“Go forward knowing that, sooner rather than later, the great avenues will open again where free men will walk to build a better society. Long live Chile! Long live the people! Long live the workers!”**

## MARIE ANTOINETTE

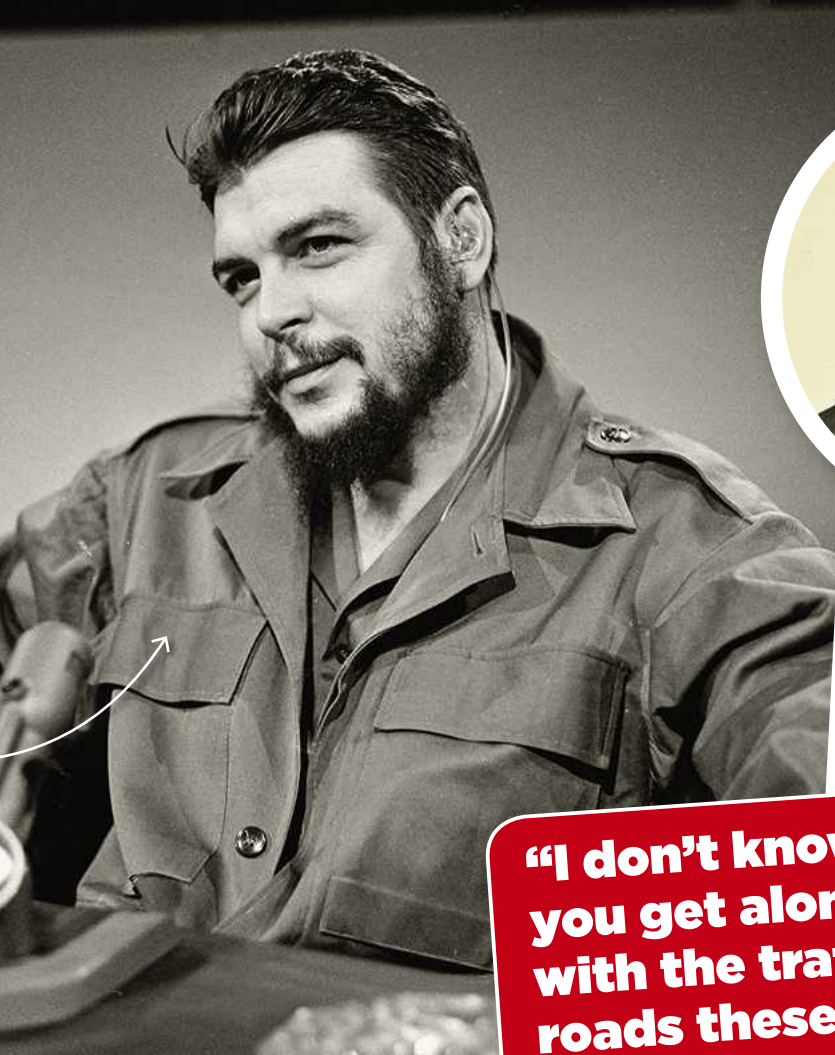
**“Pardon me, sir. I did not mean to do it.”** When the former Queen of France spoke her last words on the scaffold in Paris in 1793, anyone might have thought it a last-minute plea for clemency. Not so. She was apologising for accidentally standing on her executioner's foot while getting into position for her beheading.

## ELIZABETH I

Differing accounts and sources offer up several contenders for the crown of being the Virgin Queen's last words in 1603. While it will be impossible to ever have a definitive answer, there's no denying which of her supposed final statements was the most poetic: her request to swap **“all my possessions for a moment of time”**.







**"I don't know how you get along so fast with the traffic on the roads these days"**



## PT BARNUM

The circus entrepreneur died in April 1891 at the age of 80, having suffered a stroke the previous year. But the final words of the ebullient showman reveal that he wasn't one to put sentimentality before hard-nosed economics, for as he took his last breath he asked: **"How were the circus receipts at Madison Square Garden?"**



## THOMAS GRASSO

Just before he was executed by lethal injection in Oklahoma in 1995, the convicted double murderer expressed his dissatisfaction with his final meal. He was served tinned spaghetti with meatballs, but it wasn't the exact variety that Grasso had requested. **"I did not get my SpaghettiOs. I got spaghetti. I want the press to know this."**



**"I did not get my SpaghettiOs. I got spaghetti. I want the press to know this"**



## IAN FLEMING

The author's James Bond books brimmed over with tales of derring-do, but in 1964 his last words paid tribute to somewhat more everyday heroics. "I am sorry to trouble you chaps," he said, apologising to the ambulance crew who were responding to what turned out to be a fatal heart attack. **"I don't know how you get along so fast with the traffic on the roads these days."**

## LADY ASTOR

Famous for trading rhetorical barbs with Winston Churchill on many occasions, Nancy Astor, Britain's first female MP, remained sharp right up to the end in 1964. On seeing the number of family and friends gathered around her deathbed, the American-born viscountess inquired: **"Is it my birthday or am I dying?"**



**WHAT DO YOU THINK?**

Do you know any entertaining last words from history? Get in touch and let us know...

Email: [editor@historyrevealed.com](mailto:editor@historyrevealed.com)



# Q&A

YOU ASK, WE ANSWER

**IN A NUTSHELL 59 • HOW DID THEY DO THAT? 60**  
**• DESIGN OF THE TIMES 62**

## OUR EXPERTS

### EMILY BRAND

Historian, genealogist and author of *Mr Darcy's Guide to Courtship* (2013)



### JULIAN HUMPHRYS

Development Officer for The Battlefields Trust and author



### GREG JENNER

Former Consultant for CBBC's *Horrible Histories*, his first book is due early next year



### SEAN LANG

Senior Lecturer at Anglia Ruskin Uni, focusing on the British Empire, and author



### RUPERT MATTHEWS

Author on a wide range of historical subjects, from ancient to modern



### MILES RUSSELL

Author and Senior Lecturer of Archaeology at Bournemouth Uni



## NOW SEND US YOUR QUESTIONS

Wondering about a particular historical happening? Don't rack your brains - our expert panel has the answer, so get in touch



@Historyrevmag  
#askhistrevmag



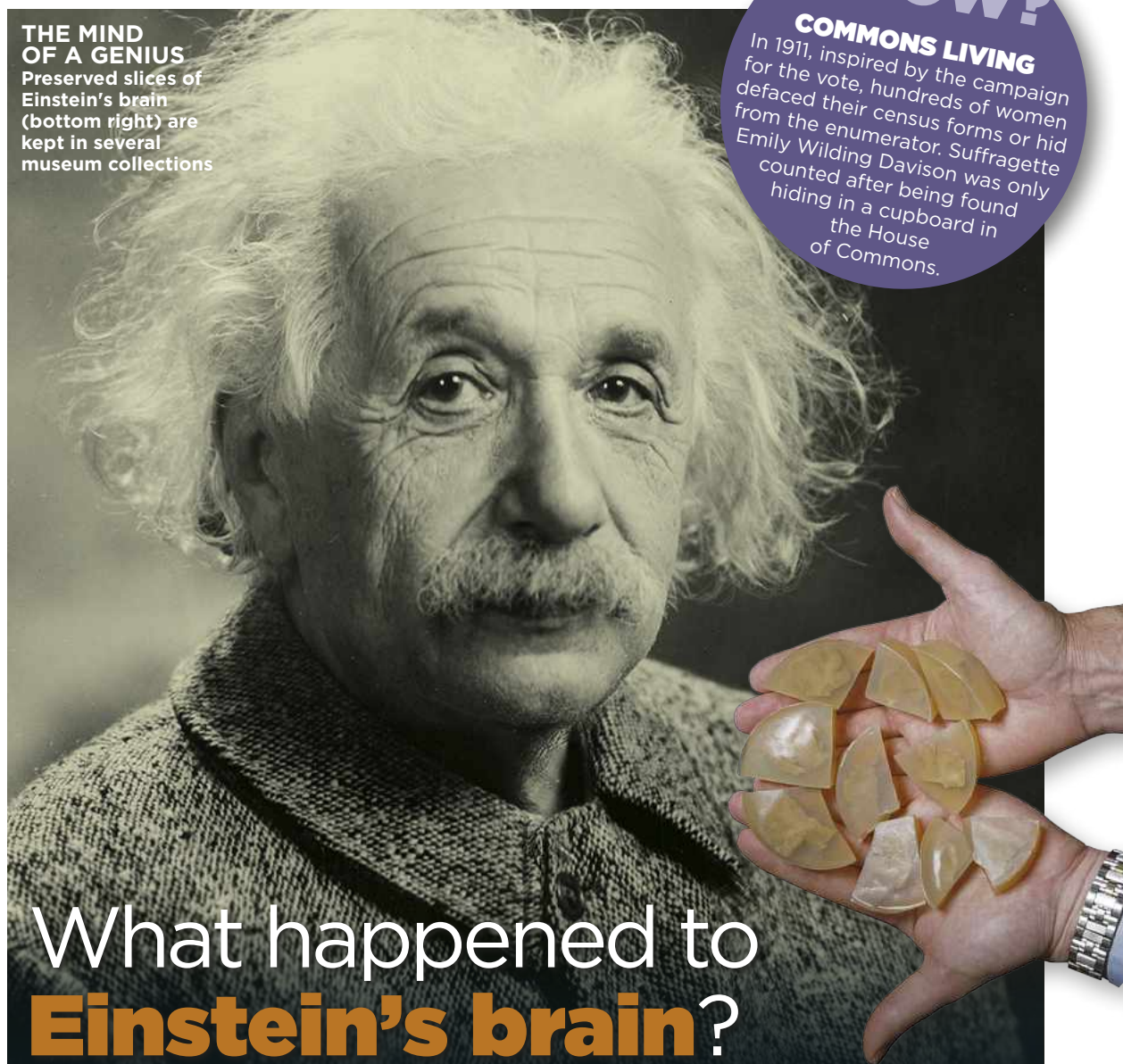
www.facebook.com/  
HistoryRevealed



editor@history  
revealed.com

## THE MIND OF A GENIUS

Preserved slices of Einstein's brain (bottom right) are kept in several museum collections



## What happened to Einstein's brain?



Before his death in 1955, Albert Einstein had requested that he be cremated, so his corpse didn't become the plaything of superfans and scientists.

Yet the on-duty pathologist, Thomas Harvey, removed Einstein's brain during the eminent physicist's autopsy. Many were outraged, but Harvey convinced Einstein's son to let

him keep the brain, promising that it would further the cause of neuroscience. Indeed, he sliced the brain into over 200 pieces, some of which he sent to medical experts in the hope they could find clues to Einstein's brilliance.

However, few were interested in this madcap scheme, and so Harvey kept most of the brain stored in two glass jars, refrigerated inside a beer cooler. Eventually, he

tried to pass the bits of brain on to Einstein's granddaughter, but she didn't want them either.

It wasn't until 1978, when a journalist reported Harvey's bizarre quest, that scientists took an interest. But Harvey's DIY approach to preservation likely means any experimental results are flawed. The brain slices are now kept in two American medical museums. **GJ**

## DID YOU KNOW?

### COMMONS LIVING

In 1911, inspired by the campaign for the vote, hundreds of women defaced their census forms or hid from the enumerator. Suffragette Emily Wilding Davison was only counted after being found hiding in a cupboard in the House of Commons.



# Who invented the umbrella?



The use of umbrella-like devices to provide shelter from the Sun is an ancient one. Carvings from the Assyrian Empire depict parasols of circular fabric mounted on a stick as early as 1300 BC, and they appeared in China around the time of Christ. It is thought that the folding parasol, for ease of carrying, was invented in China c1270.

Parasols – although first appearing centuries earlier – did not become popular in Europe until the late 16th or early 17th centuries, probably by way

of visiting Persian merchants and diplomats. The word ‘umbrella’ was coined in Italy around 1610 to describe a particular parasol of expensive silk, decorated with gold or silver thread and carried by men out riding in the countryside.

By this time, the desire for umbrellas protecting people from the rain as well as the Sun was growing. In 1637, King Louis XIII of France bought the first waterproof umbrella, though sadly the name of its maker is not recorded. His umbrella had a canopy of heavy

silk and was liberally soaked in thick oil to render it waterproof.

By the time the collapsible umbrella with a folding stick was developed by Marius de Paris in 1715, the umbrella had become a fashion item for ladies only. Englishmen stoically wore hats until the 19th century. **RM**

**PRETTY PARASOL**  
Early Chinese parasols were made of paper and painted with ornate decorations



## WHICH UNI CAME FIRST: OXFORD OR CAMBRIDGE?



The older of the two ‘great universities’ is Oxford. The city can trace the origins of its university institutions to 1167, when King Henry II banned English students from attending the University of Paris. The fact that students set up base in Oxford suggests some organised teaching was already going on there. The young students, however, didn’t get on too well with the townspeople. In 1209, two or three were unjustly hanged following the murder of a townswoman, causing many students to flee Oxford and make for Cambridge. **JH**



**PUNY ROMANS**  
An oil painting of Hannibal's victory over Rome at the Battle of Trasimene

# WHAT WERE THE PUNIC WARS?



We get the word ‘Punic’ from the seafaring culture of Phoenicia – as ‘Phoenician’ in Latin is ‘Punicus’. Originating from the coastal districts of what is now

Lebanon and Syria, Phoenician colony cities were established across the eastern Mediterranean and the North African coast in the seventh and sixth centuries BC, the most successful being Carthage in

Tunisia. By the third century BC, Rome was expanding its power across Italy, directly threatening Carthaginian influence in Sicily and the western Mediterranean. The struggle between Carthage

and Rome erupted into bitter periods of open war three times: the First Punic War (264–241 BC), Second Punic War (218–201 BC) and Third Punic War (149–146 BC). The events of the Second are perhaps the most famous today, as they included the crossing of the Alps by Carthaginian general Hannibal, and his elephants (‘Great Adventures’, August 2014) and the campaign that nearly brought Rome to her knees.

Unfortunately for Carthage, Hannibal’s invasion failed and the Third Punic War ended with a Roman army sacking their chief city – and burning the library – as well as selling the Carthaginian population into slavery. The Romans, it has often been said, was rarely magnanimous in victory. **MR**



## DID QUEEN VICTORIA HAVE A CHILDHOOD NICKNAME?

Victoria's childhood was miserable. The 'Kensington System', adhered to by members of the Royal family, restricted her privacy and confined her to the palace. This was all part of a controlling strategy enacted by her overbearing German mother, Victoria, and her guardian, Sir John Conroy. Young Victoria was their ticket to power, but they didn't call her Victoria – this was her second name. In fact, her baptismal name was Alexandrina, in honour of her godfather, Tsar Alexander of Russia, and so, to them, the little princess was simply 'Drina'. GJ



## What was the 'North Sea Outrage'?

Also known as the 'Dogger Bank Incident' or 'The Russians' Mad Midnight Murder', this 1904 event put Hull in the international spotlight and brought Britain to the brink of war with Russia.

At midnight on 21 October, Hull's 'Gamecock Fleet' of around 50 fishing vessels was at work in the North Sea, near a spot named Dogger Bank, when it accidentally got caught in the middle of the Russo-Japanese War. The men, while gutting the day's catches, saw the bright lights of large nearby warships and, believing them to be part of the British fleet on manoeuvres, gathered to watch the spectacle. Only when shots began to tear through the defenceless trawlers did the crews realise that the warships were not British, nor were they firing blanks. Two men were decapitated, around

30 injured – some losing limbs – and one trawler was sunk.

Around 20 minutes later, the firing stopped. The Russian forces claimed they mistook the trawlers for Imperial Japanese Navy ships, but the "senseless" attack provoked a major diplomatic dispute and Britain geared up for war. The case was diffused in February 1905 when an inquiry decreed that the incident resulted from confusion, not calculation. EB



**RUSHING IN**  
In the chaos, Russian ships actually fired on each other, claiming two more lives

## DID YOU KNOW?

**BONEHEAD BONAPARTE**  
When Napoleon heard he was to be exiled to the tiny Mediterranean island of Elba in 1814, he tried to commit suicide with a poison pill. But he had been carrying the pill since his retreat from Russia, so it had lost its potency and failed to kill the French Emperor.

## Have oysters always been used as aphrodisiacs?

In its quest for pleasure and procreation, humanity has linked particular foods to lust for thousands of years – and the oyster is one of the most enduring. The

Ancient Romans associated oysters with lewd practices, although the reasons aren't immediately clear. The Roman satirical poet Juvenal

wrote that they were devoured by loose women. In the 1700s, notorious lothario Casanova seduced women with oysters and champagne, as "a spur to spirit and to love", and their reputation remains potent to this day. Other supposed aphrodisiacs have (thankfully) waned over time, including offal, sparrow brains and raw onion. EB





## IN A NUTSHELL

# WHAT WAS THE IRISH POTATO FAMINE?

In the 19th century, Ireland was plagued by a famine that killed one million people and crippled the country

### What was the Irish Potato Famine?

The famine was a devastating moment in Ireland's history, when the failure of the potato crop led to mass hunger during the mid-19th century.

### What caused the crop failure?

The potatoes were struck by a disease called blight, which is caused by the fungus-like organism named *Phytophthora infestans*. Blight results in potatoes being small, mushy and impossible to eat. It is believed that the disease originated in North America and travelled by ship to Europe in 1845, damaging the potato crops in several countries and causing widespread hardship.

### Why were its effects so pronounced in Ireland?

Many of Ireland's inhabitants were poor and relied on potatoes as their staple food. Potatoes were

nutritious, well suited to the Irish climate and could be grown in large quantities on relatively small plots of land. Potato cultivation had enabled the Irish population to rise significantly but when the crop failed, millions were at risk of starvation. To make things worse, the potato blight did not just occur once, but returned to wreck the harvest for several years in a row.

### What impact did the crop failures have on Irish people?

With their main source of food gone and rarely enough money to purchase alternatives, huge numbers of people succumbed to terrible hunger. The worst years of the famine were between 1845-49, and it is estimated that around one million people (or an eighth of the population) died from starvation or the diseases that preyed on their weakened bodies. Meanwhile, another

million emigrated, with huge numbers making the perilous journey to North America.

### What was done to alleviate the effects of the famine?

Ireland might have been poor, but as part of the United Kingdom, following the 1801 Act of Union, the country was connected to one of the world's richest, industrial economies. The British government almost certainly could have prevented the heavy death toll had it responded quickly and effectively. The relief efforts, however, were rather patchy. Extra food was imported, soup kitchens ran for a few months and projects such as road building were initiated to provide jobs for the Irish poor. These measures did have some effect but were insufficient to deal with the scale of the problem.

### Could the British have done more to help?

The muted response from the British was largely a result of the ideology of their political establishment. Many of them believed in the free market and the idea of *laissez-faire*, which meant that the government should not intervene too much in the economy and society.

**LEFT TO STARVE**  
With nothing to eat and no way of earning money, millions of Irish people succumbed to the famine



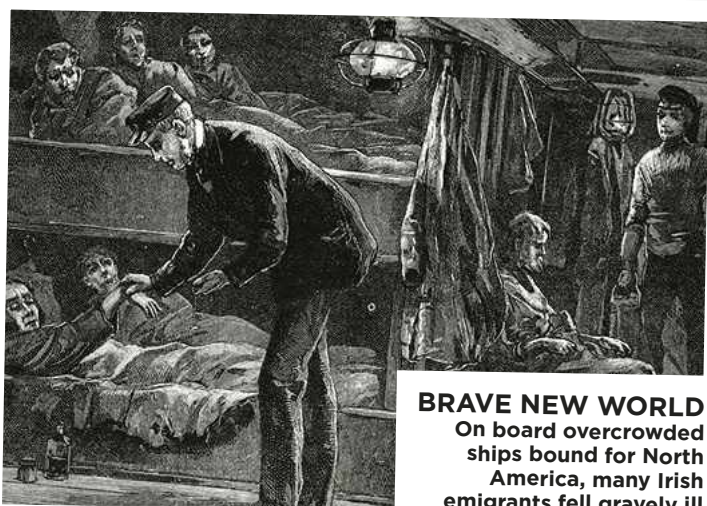
As a result, the Irish were encouraged to feed their own people, which they couldn't afford to do. At the same time, food exports from Ireland were somehow allowed to continue, despite the pressing need for this produce at home.

As well as ideological resistance, many British policy makers harboured prejudices against the Irish due to their Catholicism, perceived backwardness, and supposed laziness and immorality. Some believed the Irish had brought the famine upon themselves and felt little inclination to prevent it.

### What were the legacies of the Irish Potato Famine?

Ireland's great famine was a watershed in the country's history. The death toll and emigration – continuing long after the famine had ended – meant its population had virtually halved by the early 20th century. Even now, the population hasn't reached pre-1845 levels.

Around the world, large Irish communities sprang up, particularly in North America. For those who remained, the failure of Britain to alleviate the horrific effects of the famine, helped fuel the fires of the nationalist movement. Effective independence was achieved for the majority of Ireland in 1922.



**BRAVE NEW WORLD**  
On board overcrowded ships bound for North America, many Irish emigrants fell gravely ill



## HOW DID THEY DO THAT?

## ROMAN SIEGES

The military skill and engineering ingenuity that cultivated the mighty Roman Empire



The Roman army was a ruthless war machine that built an empire and remains one of the most respected armed forces in history. Its disciplined, well-armed legions could win both on the battlefield or when laying siege to a fortification. But success in lengthy sieges depended not only on leadership or the soldiers' fighting abilities, but on the highly efficient – and deadly – siege apparatus.

## MINES AND TUNNELS

Most sieges attempted to get over the city walls, but mines could be dug to weaken them from underneath. Special Roman soldiers, known as sappers, would go into the tunnels and cause explosions to collapse the walls.

## LENGTHY CAMPAIGNS

The besieged found it difficult to get supplies into the surrounded city, and the Romans would divert waterways. Sieges usually ended due to starvation rather than Roman offensives.

## SLOW BUT STEADY

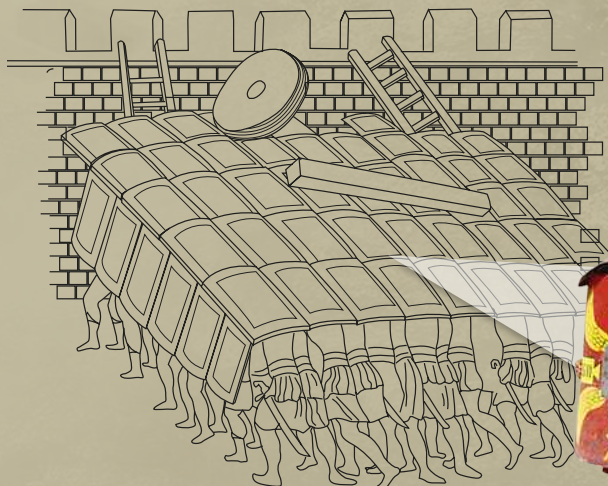
Speed and mobility was sacrificed with the 'testudo' as the soldiers had to move very slowly as a single unit, but the curved shape of Roman shields meant the front ranks could always see where they were going with little risk.

## A STONE'S THROW

The artillery weapons were deadly but high-maintenance. They needed particular projectiles to be effective, with stones from rivers being the best as they were round and smooth. Stones have been found with chisel marks to make them smoother.

## THE 'TESTUDO' FORMATION

It wasn't just the weaponry that gave the Roman legions the edge in siege warfare, but the tactics too. The most effective was the 'testudo' formation (meaning 'tortoise'). The soldiers formed a closely-bunched group and aligned their shields on top and to the sides, forming an impenetrable shell. Slowly, they would march towards the walls, carrying ladders, while staying safe from arrows or falling stones.

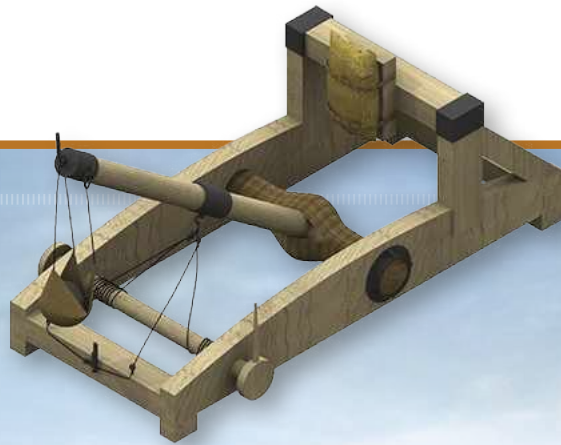






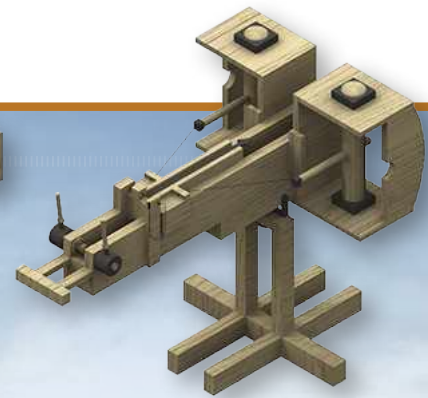
### SCORPIO

This crossbow-like weapon fired small arrows with pinpoint accuracy to a maximum range of 300 metres. Easy to handle, it could be operated by one man and could be mounted on the upper floors of siege towers.



### ONAGER

A powerful weapon in the Roman artillery, the onager catapulted massive stones or burning projectiles over the walls of a besieged city to cause havoc among the defenders. The catapult got its name – which means ‘wild ass’ – as after firing, the back of the frame would kick up in the air.



### BALLISTA

Ballistas fired rocks at the walls in order to break through, but they were also an accurate sniper weapon. Many reports from Roman sieges claimed they could pick off individual soldiers on the walls.

### INNOVATIONS

Although siege weapons were introduced from Greece, the Roman army advanced them. Julius Caesar was able to use siege catapults from the decks of his ships during his invasion of Britain.

### TOWERING WEAPONRY

Siege towers were so sturdy that they could support dozens of soldiers and artillery, including Scorpios and Ballistas.

### DEFENDING A CITY

Roman commanders always gave enemies a chance to surrender. Under law, defenders who didn't give up before the first ram hits the wall forfeited any rights regarding how they were treated.

### SIEGE TOWERS

There was no set design for these towers as they were built for the specific needs of each siege. Roman historian Josephus reported that the siege towers at Jotapata were 15-20 metres high.

### BATTERING RAMS

Sometimes attached to siege towers, or covered by a ‘testudo’ formation, battering rams were massive logs used to break down city walls. They got the name from the iron ram's heads attached to the front.

### RESISTANCE


City defenders had few defences against siege towers, but there are accounts of tunnels being dug underneath an approaching tower in the hope of causing a collapse.



## DESIGN OF THE TIMES

## BYZANTINE WARRIOR

The heavily armoured cavalry known as the cataphracts were the elite attacking force in many Byzantine armies

 The Byzantine Empire (4th to 15th centuries) controlled the Mediterranean Sea between modern-day Spain, Turkey and northern Africa. At the front of many of the

empire's military victories were the battalions, or 'tagma', of the disciplined combat unit, armoured from head to toe – the cataphracts. Here is what made these cavalymen such a deadly foe...

## SCALE ARMOUR

Overlapping bronze or iron scales were sewn together using bronze wire to create flexible armour.

## INVINCIBLE SOLDIERS

The armour was so effective – 'cataphract' means 'completely enclosed' – it could block spears or swords. It is said Emperor Alexios I Komnenos ended a battle with numerous spearheads embedded in his armour, but none touched his body.

## HELMET

The conical helmet fit over the chain mail of the head covering without restricting mobility. Not all cataphracts wore one.

## CHAIN MAIL

A heavy mask of chain mail left only the eyes visible. A chain mail coat was also worn under the armour.

## CREST

Hanging from the neck of the horses was a crest or colourful plume that identified the rider's tagma.

## HAMMER BLOWS

As military leaders discovered the importance of cavalry in military action, the cataphracts became the initial attacking force in battle. They would charge the enemy infantry in wave after wave, cutting men down with spears and maces, until the opposing line broke. As their armour was so thick and seemingly impenetrable, they would lose few in this 'hammer blow' tactic.

## KONTOS

The spear varied in length but some reached over 4 metres long. It was used for charging rather than as a throwing weapon.

## EPILORIKION

A padded coat could be worn over the armour to offer further protection or help identify the rider.

## CUIRASS

The rider wore either scale or plate armour – it gave effective protection and could be made of over 1,000 scales, and weigh 40 kilograms.

## BARDOUKION

This mace could pierce armour and was a brutal weapon when swung in a cavalry charge.

## SKOUTON


The shields were either circular of kite-shaped, made of wood and reinforced with a leather covering and steel.

## SPATHION

Each cataphract wore two swords into battle, the larger being a very heavy, straight, double-edged blade.




## WHO WAS THE 'LONDON MONSTER'?

 In 1788, a series of attacks struck "terror in the female world of London". A strange man approached women in the street, whispered "abominable bawdry" in their ears, before slashing their gowns or stabbing their buttocks. Other victims were cut in the face after smelling flowers filled with hidden blades. Fearful ladies took to padding their rumps with cork or putting copper in their petticoats. After two years and 50 attacks, 23-year-old artificial-flower maker Renwick Williams was identified as the 'London Monster'. He was found guilty and jailed for six years. EB



## What was 'Sati'?

 The Victorians saw India as a cruel society in need of a western civilising influence. To prove their point, they often referred to sati, the ritual burning of widows, often young women, on the funeral pyres of their dead husbands. The ritual usually took place before a large crowd and when European travellers observed sati, they concluded that the women were succumbing unwillingly to family and community pressure.

The Indian reformer, Rajah Ram Mohan Roy, made it clear that sati was not a Hindu religious requirement and urged the British to ban it. Others argued the British should not impose their own values or ban traditional Indian practices, however ghastly. Regardless, by the 1820s the British were enthusiastically promoting



**BANNING SATI**  
Lord William Bentinck banned the practice in 1829

social reform both at home and in the empire. In 1829, the British Governor-General, Lord William Bentinck, banned sati.

Although few would defend the practice, some historians point out that sati was never widespread but was used by the British as an excuse to justify their rule of India and to extend their own cultural values deep within traditional Indian society. SL

**PROVING LOYALTY**  
Some drawings show widows voluntarily jumping onto the funeral pyre




## DID YOU KNOW?

### FILLING A STADIUM

The word 'stadium' comes from 'stadion', an Ancient Greek unit of length. A stadion, measuring around 192 metres, was used to refer to a sprint race – the distance was calculated as being 600 times the length of the foot of Greek hero Heracles.

## How dangerous was the penny-farthing?




 The penny-farthing was a style of bicycle popular in the 1870s and 1880s. The bike got its name from its two differently-sized wheels, with the front wheel likened to a penny coin and the much smaller rear wheel compared to a farthing (a quarter of a penny). The large wheel allowed each turn of the pedals to drive the bicycle a greater distance, and also allowed for a smoother ride over the cobbled streets and uneven roads

of the period. But with the rider sitting up to 1.5 metres off the ground, broken bones were all too common in the event of accidents. Even worse, the position of the rider over the front axle meant that any sudden stop caused by hitting a stone would hurl the rider forward headfirst. Hitting the ground with the head could be, and sometimes was, fatal.

The popularity of penny-farthings waned with the development of gears, allowing the ratio between pedal and wheel to be varied. The second breakthrough was the pneumatic tyre, which gave a smoother ride. By 1893, 'safety bicycles' were on sale and penny-farthings were no longer being made. RM

## HOW DEMOCRATIC WAS ANCIENT ATHENS?

 Not very. Although celebrated as the birthplace of democracy, not everyone in fifth-century-BC Athens had the right to vote. Of the 250,000 people living there, less than an eighth were permitted to vote. Women, slaves or non-Athenians (traders, visitors or refugees) were denied such rights. MR





# SUBSCRIPTION ORDER FORM

## Your details (essential)

Your choice of magazine(s)

Price

Title Forename

Surname

Address

Postcode

Home Telephone Number

Mobile Telephone Number

Email address

## I would like to send a gift to... (optional)

Your choice of magazine(s)

Price

Title Forename

Surname

Address

Postcode

Home Telephone Number

Email address

If you would like to take out more than one gift subscription, please go online or contact our call centre.

## Payment Details

☐ I enclose a cheque made payable to Immediate Media Company Ltd or

☐ Please debit the following amount from my credit/debit card:

£

Mastercard ☐ Visa ☐

Card Number

□□□□□□□□□□□□□□□□□□□□

Valid from □□□□ Expiry date □□□□

Signature

Date

To receive your free greetings card in time for Christmas, gift orders must be received by the 15th December 2014. This offer closes on the 31st December 2014.

This offer is valid for UK delivery addresses only. All savings are calculated as a percentage of the full shop price, excluding Radio Times which is calculated as a percentage of the Basic Annual Rate. For overseas rates visit [www.buysubscriptions.com/christmas](http://www.buysubscriptions.com/christmas) or call 01795 414 746. All Christmas gift subscriptions will start with the first issue available in January 2015. Should the magazine ordered change in frequency, we will honour the number of issues and not the term of the subscription.

\* Radio Times and Match of the Day subscriptions are for 26 weekly issues (6 months). The Basic Annual UK Subscription Rate of Radio Times is £102. This price is for 51 issues, which includes the Christmas double issue and a contribution towards first class postage.

† For Radio Times subscriptions please indicate which region you require: ☐ London, Anglia & Midlands ☐ North West, Yorkshire & North East ☐ Wales ☐ South, West & South West ☐ Scotland & Border ☐ Northern Ireland ☐ Please note, if a region is not selected, subscribers will automatically receive the London, Anglia & Midlands region.

X14DSPP

Your information will be handled in accordance with Immediate Media Company's privacy policy: [immediate.co.uk/privacy-policy](http://immediate.co.uk/privacy-policy)  
Branded BBC titles are licensed from or published jointly with BBC Worldwide (the commercial arm of the BBC). Please tick here ☐ if you'd like to receive regular newsletters, special offers and promotions from BBC Worldwide by email. Your information will be handled in accordance with the BBC Worldwide privacy policy: [bbcworldwide.com/privacy](http://bbcworldwide.com/privacy)  
☐ Please tick here to receive emails from Lonely Planet Global, Inc. for all your travel inspiration, tips and exclusive offers. Your information will be handled in accordance with Lonely Planet's privacy policy: [lonelyplanet.com/legal/privacy-policy](http://lonelyplanet.com/legal/privacy-policy)

# SAVE

on a gift

## A magazine



**SAVE 40%**  
£28.00 - 12 issues



**SAVE 41%**  
£29.99 - 12 issues



**SAVE 46%**  
£29.99 - 13 issues



**SAVE 46%**  
£26.99 - 13 issues



**SAVE 45%**  
£29.99 - 13 issues



**SAVE 42%**  
£26.99 - 12 issues



**SAVE 49%**  
£32.50 - 13 issues



**SAVE 36%**  
£32.99 - 13 issues



**SAVE 42%**  
£29.99 - 26 issues\*



# UP TO 51%

subscription this Christmas

**MORE  
TITLES  
AVAILABLE  
ONLINE**

## for everyone



**SAVE 47%**  
£28.50 - 13 issues



**SAVE 44%**  
£32.99 - 13 issues



**SAVE 42%**  
£29.99 - 26 issues\*



**SAVE 50%**  
£23.90 - 12 issues



**SAVE 51%**  
£25.99 - 12 issues



**SAVE 49%**  
£32.50 - 13 issues



**SAVE 45%**  
£28.50 - 13 issues



**SAVE 48%**  
£30.00 - 13 issues



**SAVE 35%**  
£14.95 - 10 issues



**SAVE 46%**  
£31.99 - 12 issues

### Take the hassle out of your Christmas shopping

Order a magazine as a gift subscription before 15th December and not only will you SAVE up to 51% on the price but we'll also send you a FREE Christmas card to personalise!

Alternatively order online and send a personalised e-card on your chosen date.



## 3 Easy Ways To Subscribe



Call the hotline now on  
**0844 844 0390**  
and quote X14DSPP



Order online at  
**[www.buysubscriptions.com/christmas](http://www.buysubscriptions.com/christmas)**  
and quote X14DSPP



Complete order form opposite and send to:  
**Freeport RSTB-HAAA-EHHG,  
Immediate Media Co.,  
Sittingbourne, Kent ME9 8PX**



**WARRIOR STEEDS**

Because they usually **lacked armour**, the Christian knights' horses were vulnerable to arrows, and needed to be shielded by foot soldiers until the very last minute.

# Saladin crushes the Crusaders

The Muslim forces' victory over the Christian army at **Hattin** led to the recapture of Jerusalem and was seen as one of western Christendom's most catastrophic defeats. **Julian Humphrys** explains how it happened...

**W**hen Pope Urban II called for a Crusade against the Muslims in 1095, the Christian community responded. A major military expedition, mainly from France, Flanders and Germany, captured Jerusalem, massacring many of its inhabitants. The Crusaders founded four states in the eastern Mediterranean: Edessa, Antioch, Tripoli and, the jewel in the Christian crown, the Latin Kingdom of Jerusalem.





### ARMOURED MIGHT

A massed charge by the **heavily armoured mounted knights** was a key tactic for the Crusading forces during their battles for the Holy Land.

### PARCHED EARTH

The barren, **baked terrain** of much of the Holy Land meant that, at most battles, **water supply** played an important strategic role. Hattin was no exception.

### IN THE NAME OF GOD

Ridley Scott's Crusaders ride into battle in his 2005 epic, *Kingdom of Heaven*

Despite its grand name, this new kingdom was always short of men and was, in effect, merely a small coastal strip largely surrounded by enemies. But it did control the holy city of Jerusalem. For more than 50 years, the Muslim enemies were disunited and rarely able to co-operate in their desire to recapture the city. But that was about to change. In the 1170s, the Sultan of Egypt used a combination of warfare and diplomacy to unite the Muslim Middle East. His full name was Ṣalāḥ al-Dīn Yūsuf ibn Ayyūb - but to the West he was, and still is, known simply as Saladin.

Using Egypt as his power base, this educated, ambitious and sometimes ruthless Kurdish warrior won control of Yemen, Damascus, Aleppo and Al-Jazira (made up of modern-day northern Iraq, eastern Syria and southern Turkey). Jerusalem was now encircled by a unified enemy, led by a man who was determined to pursue a *jihād*, or holy war, against it.

### INTERNAL CONFLICT

The Christians had by now begun falling out among themselves. Tensions had arisen between the established lords of the kingdom,

notably Raymond of Tripoli, and a number of newcomers who had arrived in the Holy Land in a bid to find land. These newcomers followed a French nobleman called Guy de Lusignan, the brother-in-law of Jerusalem's King Baldwin IV. De Lusignan favoured an aggressive policy against the Muslims. He was supported by the Knights Templar, and also by one of the most controversial figures of the whole period, Raynald de Chatillon.

At times it seems as if de Chatillon was determined to wage a one-man war against the Muslims. His colourful past had included

### BATTLE CONTEXT

#### Who

**Muslims:** 30,000, under Saladin  
**Crusaders:** 15,000-20,000, under Guy de Lusignan

#### When

4 July 1187

#### Where

Near Lake Tiberias, northern Palestine

#### Why

Christian attempt to relieve the besieged town of Tiberias

#### Outcome

A decisive Muslim victory, which leads to their recapture of Jerusalem

#### Losses

**Muslims:** unknown  
**Crusaders:** heavy



# “They launched a daring charge, but were overwhelmed and bloodily defeated”

◀ ruling Antioch, plundering Cyprus and spending 15 years in a Muslim prison. In 1177, he became Lord of the isolated province of Transjordan, south-east of the Dead Sea, where his castles overlooked the trade routes between Egypt and Damascus. By now, de Chatillon seemed impossible to control. He violated fragile truces with the Muslims by attacking the caravans that passed by, he launched a fleet of pirate ships into the Red Sea and, on one occasion, appeared to threaten the holy cities of Mecca and Medina. Why did he do this? Nobody is sure. He might simply have been motivated by greed and hate, or he might have hoped to disrupt the Muslim economy and damage Saladin's reputation.

## THE KING IS DEAD

In 1185, Baldwin IV died of leprosy and, the following year, his young successor died as well. Raymond of Tripoli, who had become regent of the kingdom, was soon ousted by the supporters of de Lusignan, who

was crowned King. Disgruntled, Raymond retired to Tiberias on the banks of the Sea of Galilee. Tensions escalated, and civil war was only narrowly avoided. However, there was no escaping war with the Muslims.

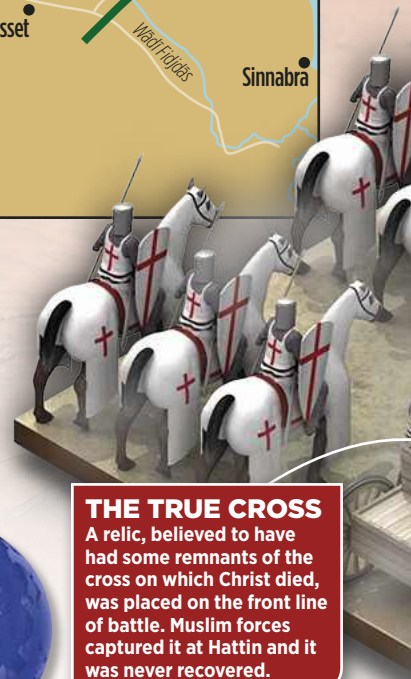
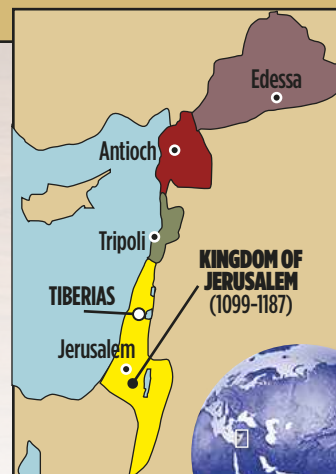
**230**

The approximate number of Templar and Hospitaller knights who were beheaded after the battle

When, in 1187, Raynald once again violated a truce by attacking a large caravan travelling north from Cairo, Saladin prepared for war, assembling a large army on the borders of the kingdom. Raymond had agreed his own peace treaty with Saladin and, on 30 April, he allowed a large Muslim reconnaissance force to pass through his lands. What Raymond didn't know was that de Lusignan had sent a delegation to seek a reconciliation with him. On its way to Tiberias, the delegation and its escort of knights, many of them Templars and Hospitallers, ran into the Muslims at the Springs of Cresson. Despite being heavily outnumbered, they launched a daring charge against the Muslims but were overwhelmed and bloodily defeated.

## THE BATTLEFIELD

This was the opportunity Saladin had been waiting for. The Christian troops were tired, dehydrated and suffocating in the heat of the desert. The Sultan used his knowledge of the landscape to his advantage, cutting his thirsty enemy off from the water supply and further disorienting them with fire, before committing his troops to land their devastating blow. It was to be an annihilation.



**SCALE ARMOUR**

**QUIVER**

**SWORD**

**BOW**

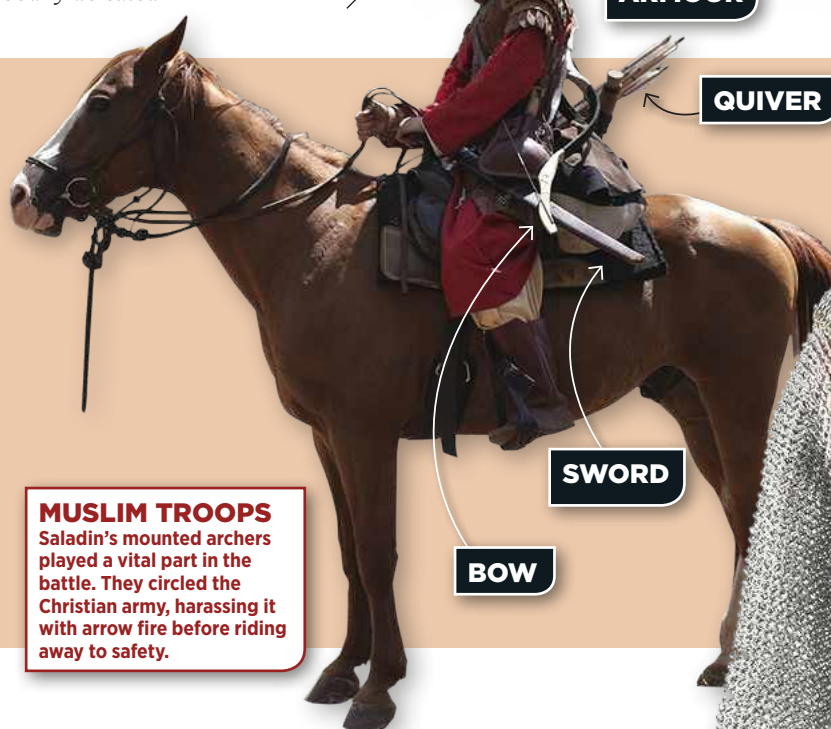
### MUSLIM TROOPS

Saladin's mounted archers played a vital part in the battle. They circled the Christian army, harassing it with arrow fire before riding away to safety.

## FIGHTING STYLES

The Christian army was mainly made up of armoured knights, who fought with lances and swords, and shield-carrying infantry, equipped with spears and crossbows. The infantry would deploy in front of the knights to protect their horses from incoming arrows, before moving aside to allow the horsemen to charge.

Saladin's troops included mounted archers, who were skilled skirmishers. But he too had well-armoured horsemen and foot soldiers.





## BENEATH THE HORNS

Saladin blocked the road to Tiberias at Hattin, cutting off the Crusaders' main line of retreat

## HORNS OF HATTIN

The two peaks that overlook the battlefield at Hattin were formed by an extinct volcano. These hills became a place of retreat for the beleaguered Christian army.

## MUSLIM TROOPS

In addition to having greater numbers, they were well-rested and more mobile than their Christian counterparts.

## CRUSADER INFANTRY

Foot soldiers were deployed in front of the cavalry to protect the horses from enemy arrows.

## FIRE

The Muslims ignited the dry pastures, using the smoke and heat to confuse their enemies.

## CRUSADER CAVALRY

Protected by the men on the ground, the riders would have waited for the chance to mount a charge.

## DOUBLE-EDGED SWORD

This heavy cutting sword, with its two long, sharp edges, is typical of the sort of weapon carried by Christian knights.

## SLING

## THROWING ARM

## ROPES

## PIVOT

## TRACTION TREBUCHET

Possibly developed in Islamic lands in the 7th century, these trebuchets hurled rocks into a fortification. Sometimes the rocks were replaced by the heads of prisoners. As the technology advanced, stones of up to 100kg could be thrown 150 metres.

## COAT OF MAIL

Made of thousands of interlocking iron rings and worn by both Crusader and Muslim warriors, the metal could get unbearably hot in the Sun and so was often covered with a cloth robe known as a surcoat.



## GLASS CHAMPIONS

Templar and Hospitaller knights are immortalised in the windows of the Church of St Andrew, Temple Grafton

## ORDER OF KNIGHTS

From the 1110s, organisations known as military orders established themselves in the Crusader states. The most formidable were the Knights Templar and the Knights Hospitaller. The Templars were founded to protect pilgrims travelling in the Holy Land, while the Hospitallers established hospitals to care for them. As time went on, they developed into warrior monks, combining monastic vows of poverty, chastity and obedience with military discipline. They grew in importance and number until they were the fighting elite of the Christian army. They played a key role in the Hattin campaign.



The news of this disaster led Raymond to patch up his quarrel with de Lusignan. Tearing up his treaty with Saladin, he joined the royal army, which was assembling near Acre, present-day northern Israel. The Crusaders had previously countered Muslim invasions by taking up positions that were well supplied with water, letting heat and thirst defeat the enemy. They did this once again, advancing to the springs at Sephoria and waiting there. But Saladin wasn't going to fall into the trap. In a bid to turn the tables, he attacked Tiberias, hoping that de Lusignan and Raymond would march to its rescue. The town fell almost immediately, but its defenders, together with Raymond's wife, retreated into its citadel and continued to hold out.

## COUNCIL OF WAR

On 2 July, the Crusader leaders gathered to decide on the best course of action. Raymond was in favour of staying where they were, even if that probably meant he would lose his castle and, temporarily at least, his wife. Better lose those, he argued, than the whole kingdom. But de Lusignan elected to head for Tiberias. The following morning, with Raymond leading the vanguard, the army set off. To ensure they had divine support, they carried with them the kingdom's most precious relic

– a fragment of the True Cross. Marching in intense heat across barren terrain and harassed all the way by Saladin's archers, the Christians reached the springs at Tur'an at about noon. Those that could took a much needed drink. Despite the fact that Tiberias was still nine miles away, with no reliable water supply en route, de Lusignan pressed on. Men collapsed in the heat and metal armour became too hot to

touch as the midday Sun blazed down on the Christian army.

By mid-afternoon, the thirsty Christians had reached a dry, dusty plain in front of a double hill known as the Horns of Hattin. Saladin now began attacking in force, surrounding de Lusignan's weary army, blocking its advance and cutting it off from the springs back at Tur'an. Judging that his army could go no further, de Lusignan gave the order to halt for the night. Those who did manage to snatch some sleep awoke in the morning to thick smoke – Saladin's men had lit bushfires to hide their movements and add to the Crusaders' misery.

Completely surrounded and with no water to drink, the Christian army was in dire straits. Raymond gathered his knights and led them in

## NOBLE EXECUTION

After the battle, Guy de Lusignan and Raynald de Chatillon were brought before Saladin. The Muslim offered a cup of iced water to de

Lusignan, who drank and passed the cup to de Chatillon. The pair must have been relieved, as it was an Arab custom that a man who had been given food or drink by his captor would not be harmed. However, as Saladin pointed out to de Chatillon, it had not been his prisoner who had handed him the water, but his own King. De Chatillon's fate was sealed. He was beheaded shortly after, some say by Saladin himself. De Lusignan and the other Christian nobles were spared, but 230 captured Templars and Hospitallers who refused to convert to Islam were taken to Damascus and slaughtered.

**BEFORE  
SALADIN**  
The Crusading  
captives meet  
the victor



## “Surrounded, and with no water, the Christian army was in dire straits”

a charge, which broke through Saladin's lines, but he didn't have enough men to influence the battle and had no alternative but to retreat. The rest of de Lusignan's army began to crumble. His foot soldiers tried to break out of the trap they were in, but were driven back by Saladin's infantry. Many took refuge atop the Horns of Hattin. Without

the shields of the infantry to protect them, the horses of de Lusignan's trapped knights were easy targets for Saladin's archers. More and more were killed as arrows rained down, forcing the knights to fight on foot, which was far less effective. Eventually, they too were driven up onto the Horns by Saladin's men. Two charges by those knights still on horses came to nothing and, in the mid-afternoon, the exhausted and demoralised Christians laid down their arms and surrendered. ☉

## AFTER THE BATTLE

What did victory at Hattin mean for the Muslims?

Saladin followed up this victory with lightning speed. He captured most of the Kingdom's coastal towns and then turned on Jerusalem in late September. Led by Balian of Ibelin, one of a few of knights who had escaped Hattin, the defenders of Jerusalem put up a desperate fight. When Balian threatened

to kill the 5,000 Muslim prisoners in the city, and to destroy its holy places, Saladin granted him generous terms of surrender. The loss of Jerusalem provoked a third Crusade, led by Richard the Lionheart and Philip of France. They failed to take

Jerusalem but recovered many of the towns that Saladin had captured. The Kingdom of Jerusalem was to survive for over a century until the Muslims captured Acre, its last mainland stronghold, in 1291.



**SULTAN OF SUCCESS**  
Saladin's numerous victories made him the most famous Muslim hero of the Crusades

**GET HOOKED!**  
Find out more about the battle and those involved

### READ ALL ABOUT IT

Find out the whole story in *The Oxford Illustrated History of the Crusades* by Jonathan Riley-Smith. Starting with the preaching of the First Crusade in 1095, it goes on to look at the history of the Kingdom of Jerusalem as well as the later Crusades that tried to recover Jerusalem after its fall in 1087.

**WHAT DO YOU THINK?**

How much do the Crusades resonate in today's international climate?

Email: [editor@historyrevealed.com](mailto:editor@historyrevealed.com)



# Examine the Past

## Pearson is recruiting History examiners for GCE/GCSE History for Summer 2015

With your knowledge of History and teaching skills, you could become an examiner for Pearson and help to shape the future of thousands of students. Being an examiner can inspire fresh ideas and new approaches to teaching your subject.

For more information about the roles, fees, benefits and how to apply, please visit [www.edexcel.com/aa-recruitment](http://www.edexcel.com/aa-recruitment) or email [aaresourcing@pearson.com](mailto:aaresourcing@pearson.com)



ALWAYS LEARNING

PEARSON







## WORKING WOMEN

**ON THE FACTORY FLOOR**  
During World War I, while men fought, women joined the workforce in factories producing wartime supplies. When the war ended, women were devoted to holding on to their jobs.

# A WOMAN'S PLACE...

The end of World War I saw renewed vigour in the quest for sexual equality, and the interwar years marked a shift in women's place in British society

GETTY X6, PRESS ASSOCIATION XI





# WINNING VOTES

In 1918, after decades of fighting for suffrage, some women were finally given the vote, but not all...



## THE ENFRANCHISED PIONEERS AT THE POLLS

The 1918 law gave the vote to over eight million women, as long as they were over 30 and satisfied certain property qualifications. These women cast their first ballots at the election later that year.



## NOT YET EQUAL

THE FIGHT GOES ON

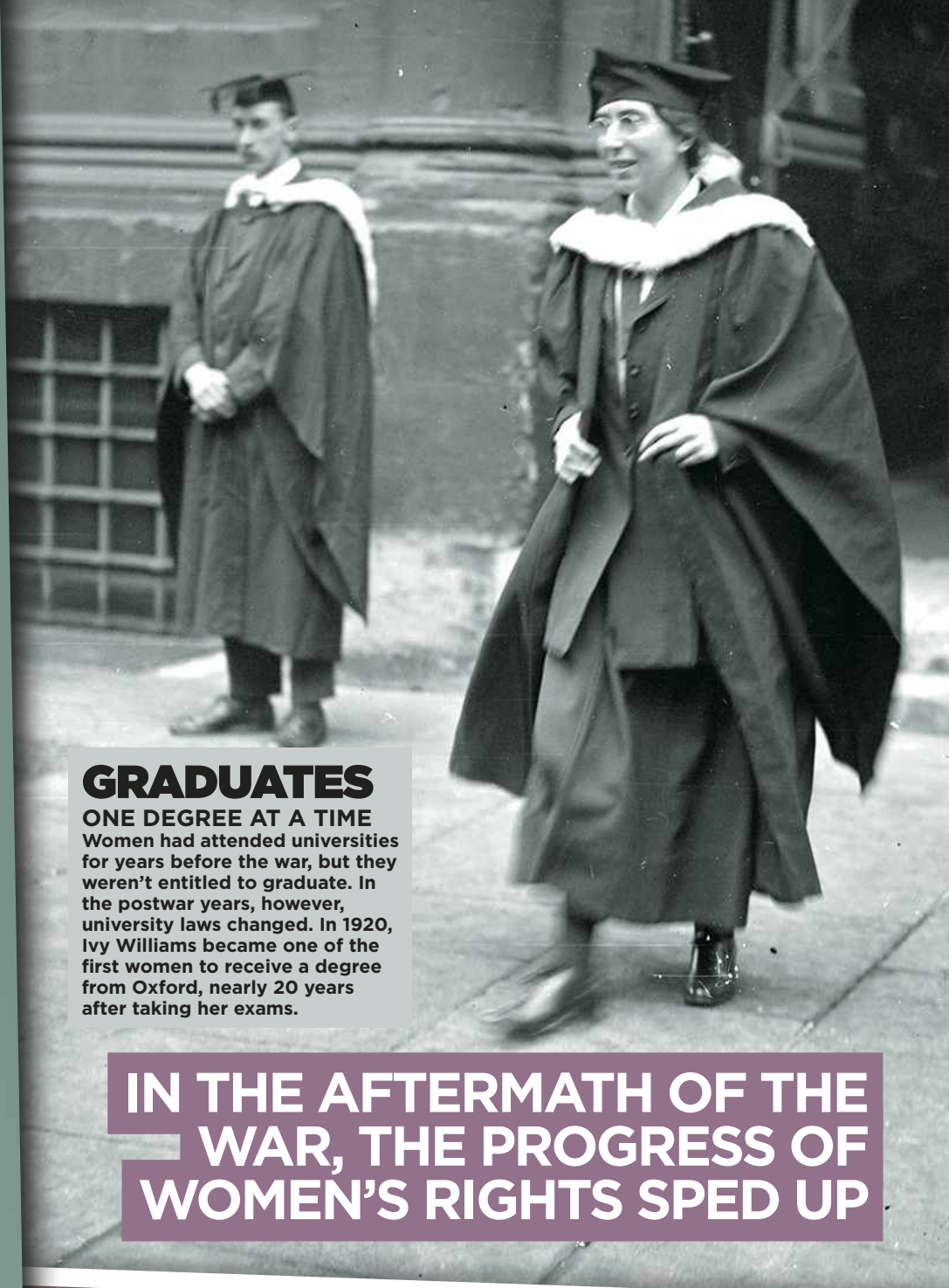
Demonstrations continued throughout the 1920s, demanding the voting age be lowered to 21 - the same age that men are entitled to vote. Electoral equality was eventually achieved in 1928.



## RAISE YOUR CUP

TOASTING A SUFFRAGETTE

Equal suffrage had been achieved only after hundreds of women had sacrificed their freedom and safety. Sylvia Pankhurst (centre) had recently been released from prison when this photo was taken.



## GRADUATES

ONE DEGREE AT A TIME

Women had attended universities for years before the war, but they weren't entitled to graduate. In the postwar years, however, university laws changed. In 1920, Ivy Williams became one of the first women to receive a degree from Oxford, nearly 20 years after taking her exams.

## IN THE AFTERMATH OF THE WAR, THE PROGRESS OF WOMEN'S RIGHTS SPED UP



## ON HER HEAD!

QUEENS OF FOOTBALL

Formed at a munitions factory during the war, Dick, Kerr's Ladies Football Club paved the way for the women's game. For the 1920/21 season, they were undefeated.



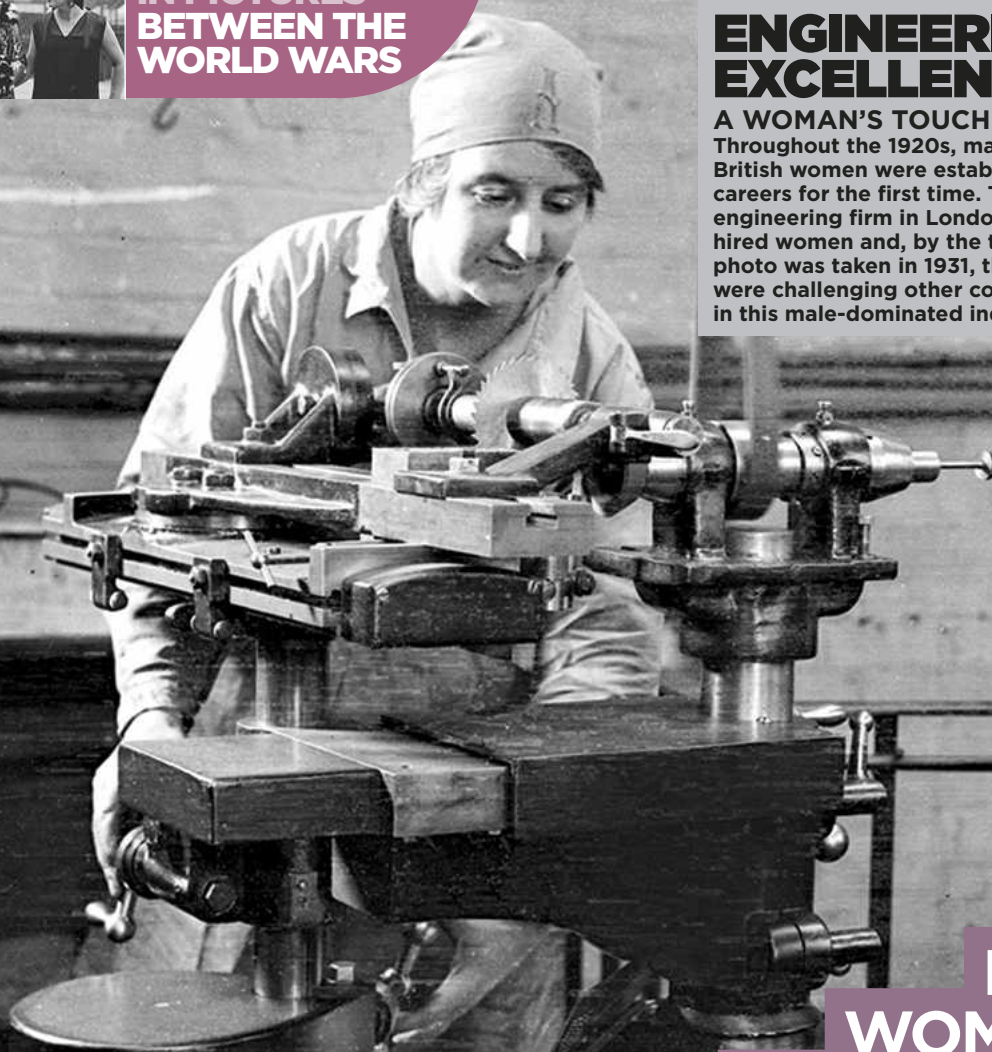


## IN PICTURES BETWEEN THE WORLD WARS

## ENGINEERING EXCELLENCE

### A WOMAN'S TOUCH

Throughout the 1920s, many British women were establishing careers for the first time. This engineering firm in London only hired women and, by the time this photo was taken in 1931, they were challenging other companies in this male-dominated industry.



**NO LONGER WERE  
WOMEN SEEN ONLY AS  
BOUND TO DOMESTIC LIFE**

## MARRIED LIFE

### WORKING FROM HOME

Many professions, from teaching to the civil service, prevented married women from being employed as it was believed that, after marriage, a woman's chief responsibility was to the care of her home. When Sir Herbert Austin, a successful car manufacturer, proposed plans to fire female employees, women took to the streets in demonstration.





## HAVING FUN

Women's place in society was changing – not just in work and education, but in everyday life...



## DRESSING UP

### GLITZ AND GLAMOUR

Fashion changed dramatically for women in the 'Roaring Twenties'. The dropped-waist dresses worn by these five models illustrated the greater focus for some on enjoyment and nightlife.



## NEED FOR SPEED

### DAREDEVILS AND RACERS

While aviatrix Amy Johnson took to the skies and Mercedes Gleitze swam the Channel, other women were inspired to take up formerly male-only hobbies, such as car and motorcycle racing.

## WARM WELCOME

### WHEN GANDHI CAME TO VISIT

During his visit to Britain in 1931, Mahatma Gandhi met with hundreds of people around the country. When he turned up at a Lancashire textile factory, he was given an enthusiastic reception by its female employees.



## JOINING THE RACE

### FIRST STROKES

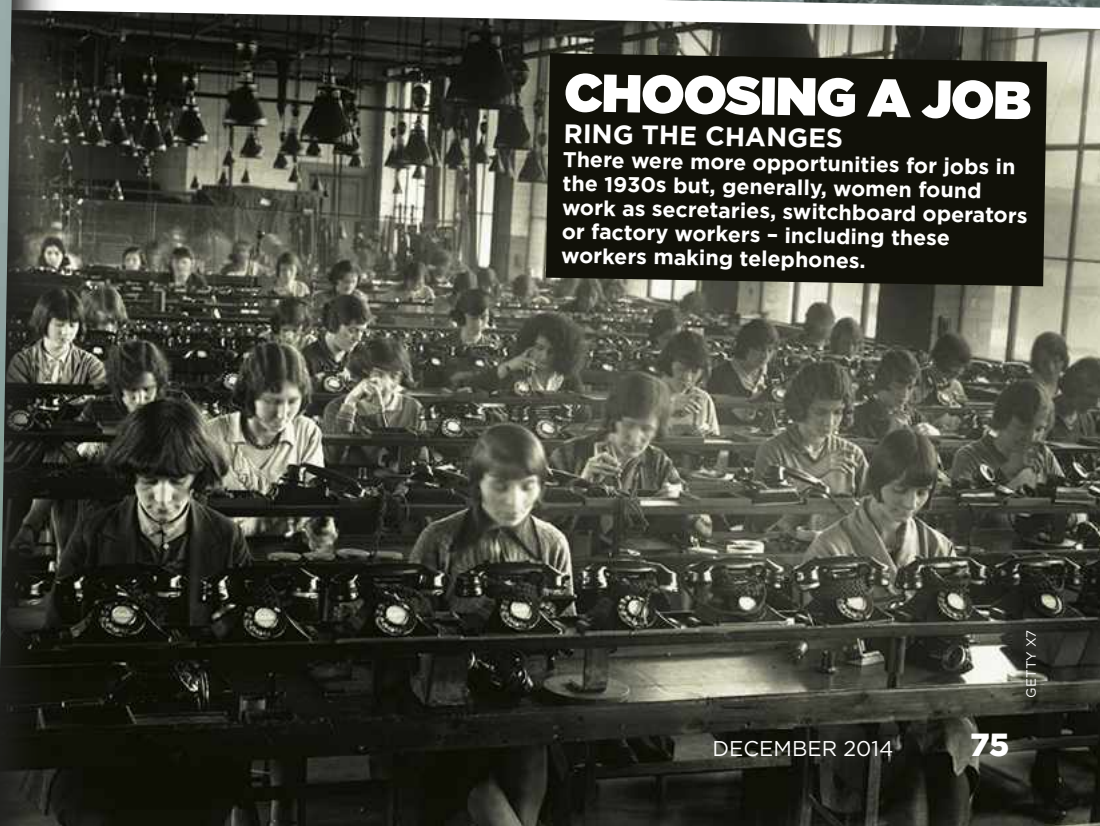
A women's version of the Oxford and Cambridge Boat Race was founded in 1927, but the two crews weren't allowed on the river at the same time, rather they were judged on "time and style". From the mid-1930s, the contest became a proper race. Here we see the Cambridge crew training before the 1936 outing.



## CHOOSING A JOB

### RING THE CHANGES

There were more opportunities for jobs in the 1930s but, generally, women found work as secretaries, switchboard operators or factory workers – including these workers making telephones.







# WOMEN WERE ONCE AGAIN CALLED ON TO HELP FIGHT A WORLD WAR



GETTY X3 PRESS ASSOCIATION XI

## DIG FOR VICTORY

**HOME FRONT**  
Shortly before World War II was declared, the Women's Land Army was set up to grow food, relying, at the start, on volunteers. A third of the 'Land Girls' moved from cities to the countryside and had no experience in farming or country life.

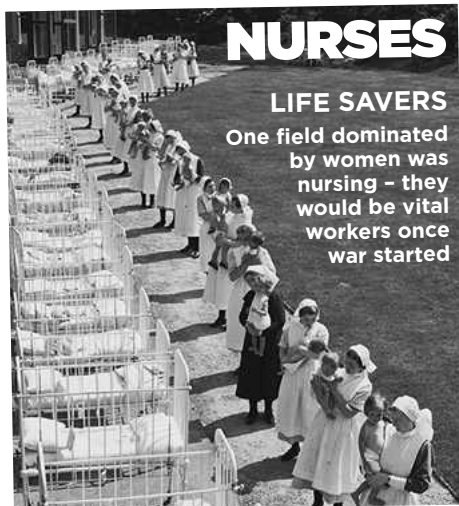
## DOING THEIR BIT

With war once again on the horizon, women dropped what they were doing to contribute to the Home Front...



## SIGN UP

In the months leading to war, thousands enlisted in the Auxiliary Territorial Service, many rushing out in their lunch breaks to join.



## NURSES

### LIFE SAVERS

One field dominated by women was nursing - they would be vital workers once war started



## GUN GIRLS

As in World War I, women worked in the factories, making munitions to be sent to the battlefields of Europe.



From the makers of

WHO

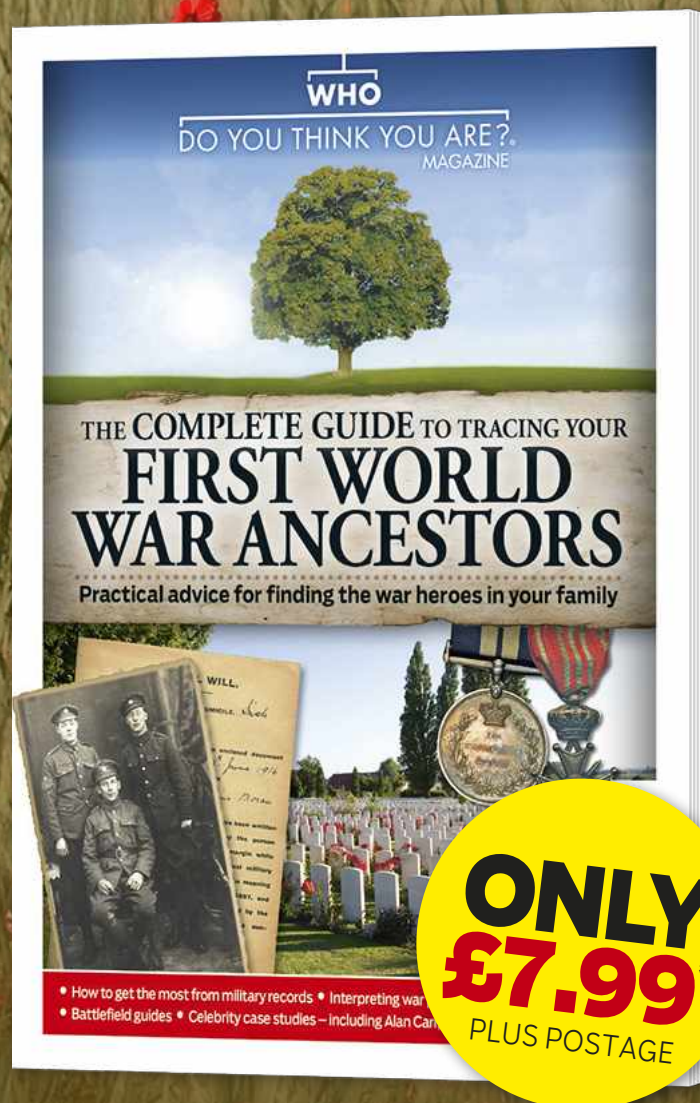
# DO YOU THINK YOU ARE?<sup>®</sup> MAGAZINE

To commemorate the centenary of the declaration of the First World War, the team behind **Who Do You Think You Are?** Magazine has put together *The Complete Guide To Tracing Your First World War Ancestors* to help you research your forebears who served in the conflict.

This 116-page special edition is crammed with **practical tips** and advice on how to interpret **army, navy and air force war records**, as well providing you with the skills to **date medals and photographs** and much more. Plus, learn the **context** of your ancestors' lives and times during this turbulent period.

Inside you will find:

- **Details of top archives** and websites relevant to your research
- **Celebrity First World War case studies** from the TV show
- **Guide to planning your own battlefield visit** and much more!



Learn from the research experiences of celebrities featured in the *Who Do You Think You Are?* TV series



Develop the skills and knowledge to interpret and date your family photographs



Get insider information to make the most of a visit to the battlefields of northern Europe

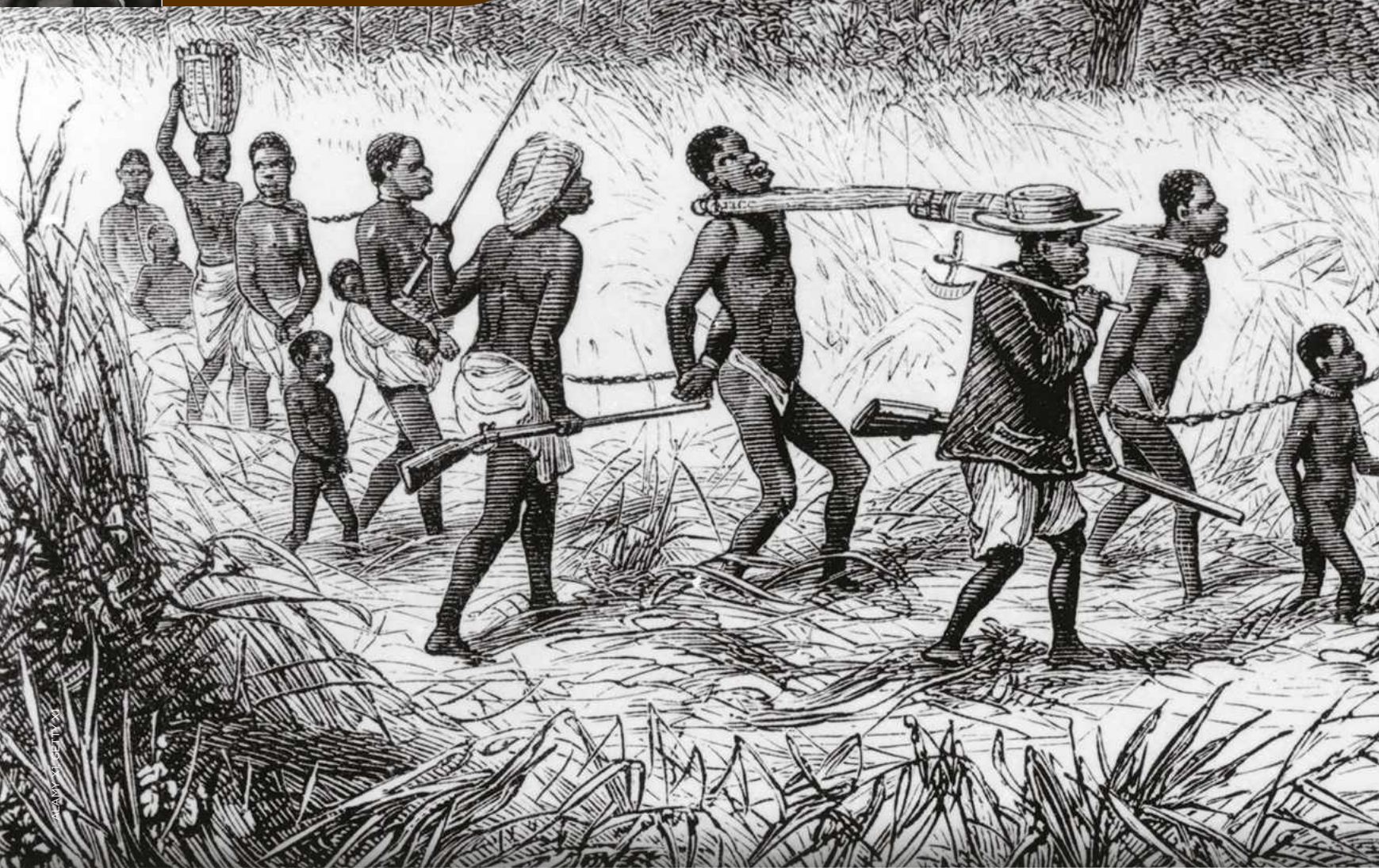
Order online [www.buysubscriptions.com/ancestors](http://www.buysubscriptions.com/ancestors)

Or call **0844 844 0388<sup>†</sup>**

and quote **WWAHAX14**

<sup>†</sup>Calls to this number from a BT landline will cost no more than 5p per minute. Calls from mobiles and other providers may vary. Lines are open 8am-8pm weekdays & 9am-1pm Saturday.  
\*Prices including postage are: £9.49 for UK residents, £10.99 for Europe and £11.49 for Rest of World. All orders subject to availability. Please allow up to 14 days for delivery.





# OLAUDAH EQUIANO FREEDOM FIGHTER

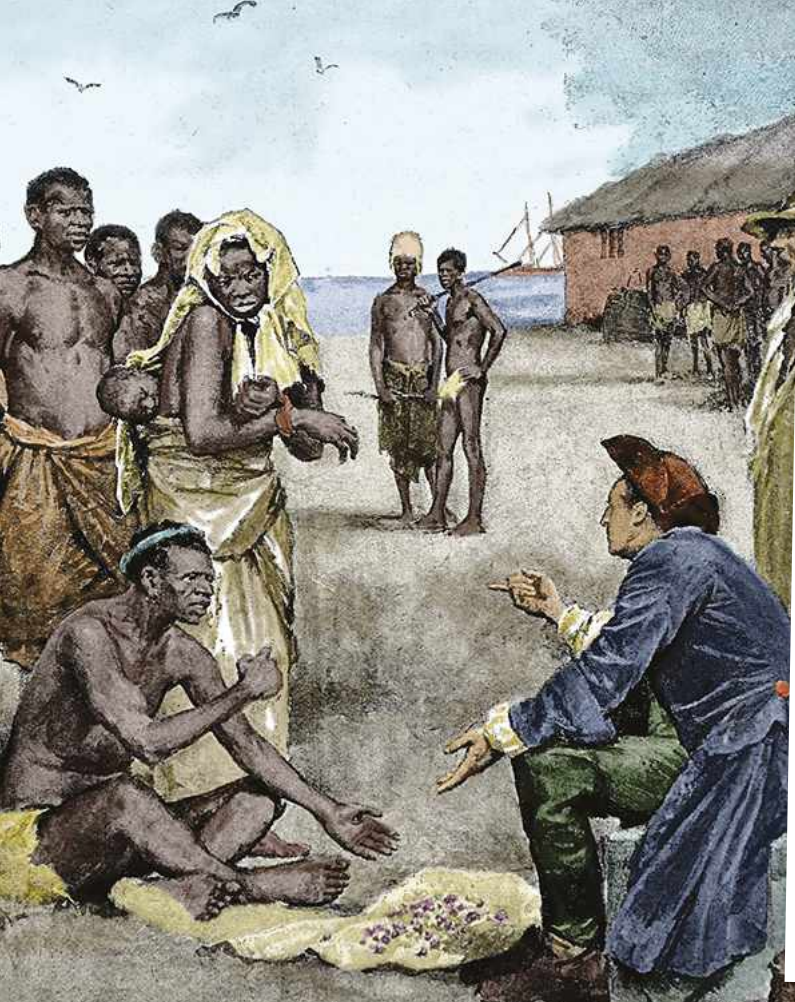
Kidnapped, torn from his family as a child, and sold over and over as a slave, Equiano's own story became a best-seller, and a catalyst for the abolition of slavery, as **Lottie Goldfinch** reveals...





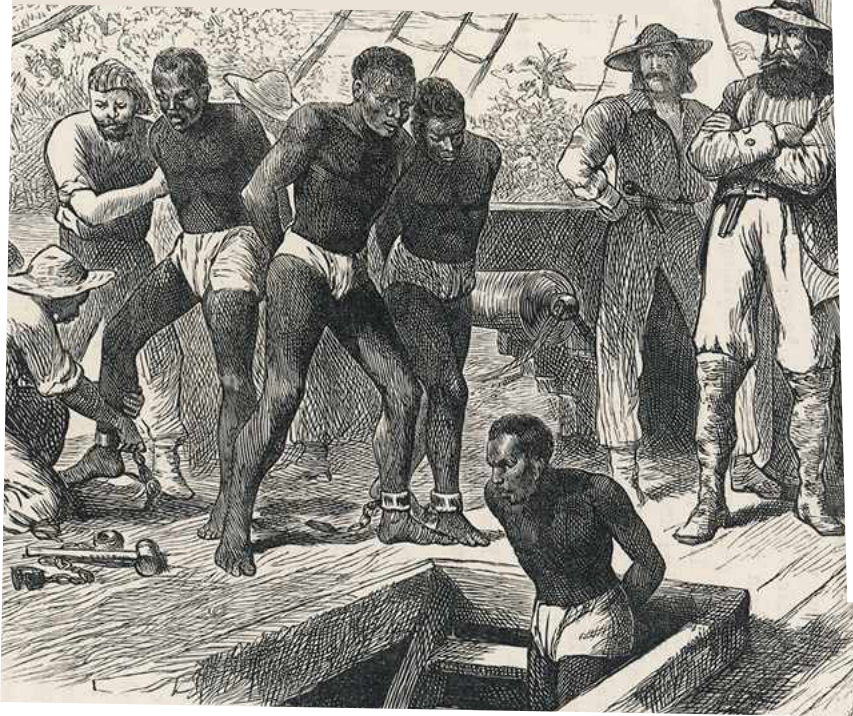
**HIS OWN MASTER**  
Equiano brought the  
horrors of the slave  
trade to the public's  
attention





## 1757 SHIPPED OUT

Equiano is transported to Virginia where he is bought by British Naval Lieutenant Michael Pascal. Equiano spends much of his time at sea and takes part in several battles during the Seven Years' War.



## 1756 SLAVE TRADE

At the age of 11, Equiano, along with his sister, is kidnapped from his native village of Essaka and is sold to various masters within Africa. After the pair are separated, Equiano is placed on a slave ship bound for Barbados, where he observes firsthand the violence and horror of the slave trade.

**S**omewhere on the coast of what is now Nigeria, 11-year-old Olaudah Equiano trembles with fear as he is thrown aboard a slave ship. The year is around 1756, and the vessel is crammed to bursting with men, women and children from all over Africa. Confused and terrified, Equiano is placed below deck, where the hot stench of sickness, chained bodies and filth assails him.

"The closeness of the place, and the heat of the climate, added to the number in the ship, which was so crowded that each had scarcely room to turn himself, almost suffocated us", he later wrote. "The shrieks of the women, and the groans of the dying, rendered the whole a scene of horror almost inconceivable."

As the huge boat creaked its way out to sea, Equiano, denied fresh air and surrounded by bleak, sorrowful faces, came to a bitter realisation. He would never again inhale the sweet air of his beloved Africa.

### THE PATH TO SLAVERY

Equiano was born in Essaka, a small province in the kingdom of Benin, in Guinea – the

primary source of income, buildings favoured practicality over extravagance, and life was lived to an established system of law and marriage. "I had never heard of white men or Europeans, nor of the sea", he recalled later in life.

In his autobiography, published in 1789, Equiano recalled that he and the other village children would spend their afternoons keeping a lookout for the kidnappers, who would often steal unattended children to sell on as slaves. It was during one of these raids, in fact, that Equiano and his sister were seized, and carried far away from their village.

youngest of seven children. Little detail is known of his early life, but it is likely that Equiano's childhood in Essaka was simple and happy. Agriculture was the province's

**"Equiano came to a bitter realisation. He would never again inhale the sweet air of his beloved Africa"**

A few days later, the siblings were separated and Equiano was sold to a new master. His recollection of the parting is heart wrenching: "My sister and I were then separated, while we lay clasped in each other's arms... It was in vain that we besought them not to part us; she was

torn from me, and immediately carried away, while I was left in a state of distraction not to be described. I cried and grieved continually..."

Like most slaves, Equiano was sold and re-sold a number of times during those early weeks of imprisonment, but he eventually found himself in the town of Tinmah, "the most beautiful country I had yet seen in Africa". There, he was purchased for 172 of the small white shells that constituted the currency of the town. His new mistress was a wealthy African widow with a young son, both of whom treated Equiano as one of the family. But his relative happiness lasted just two short months, as Equiano was again loaded onto a slave ship, this time bound for Barbados.

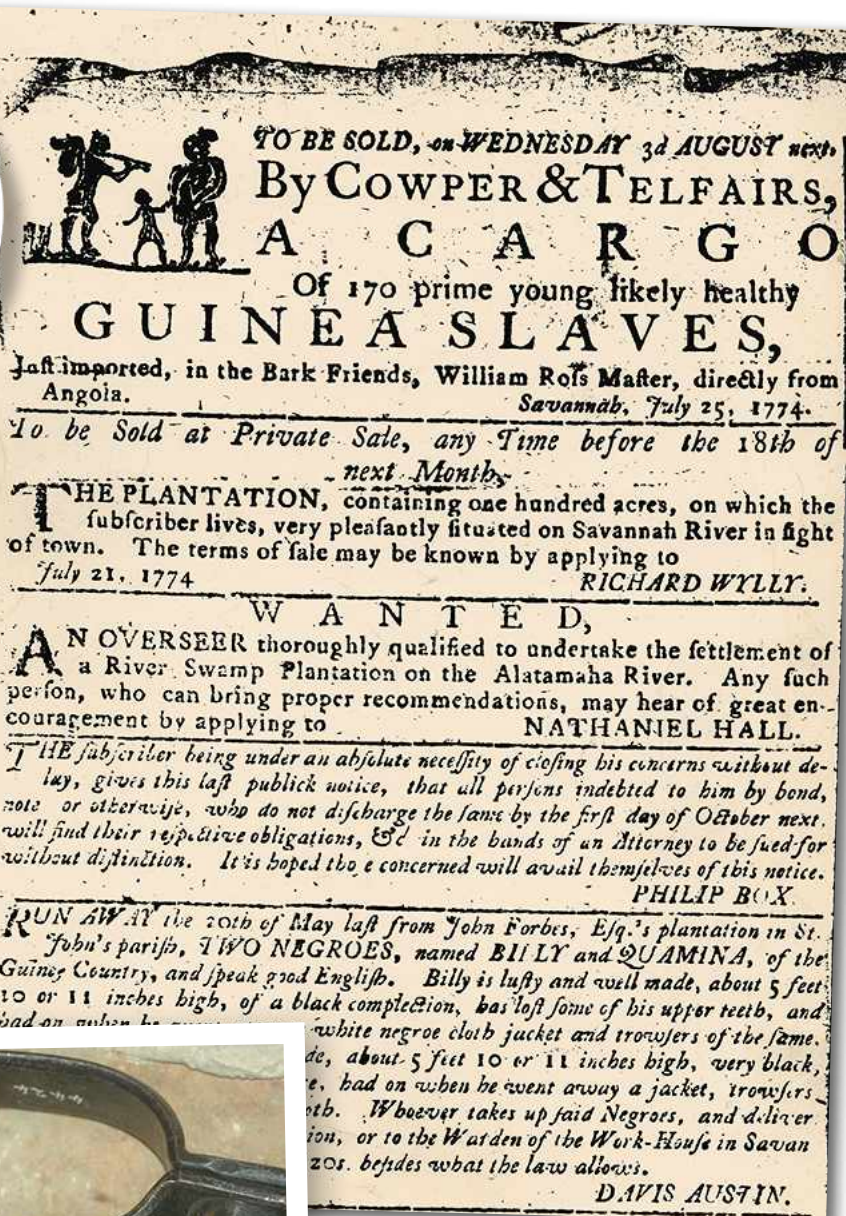
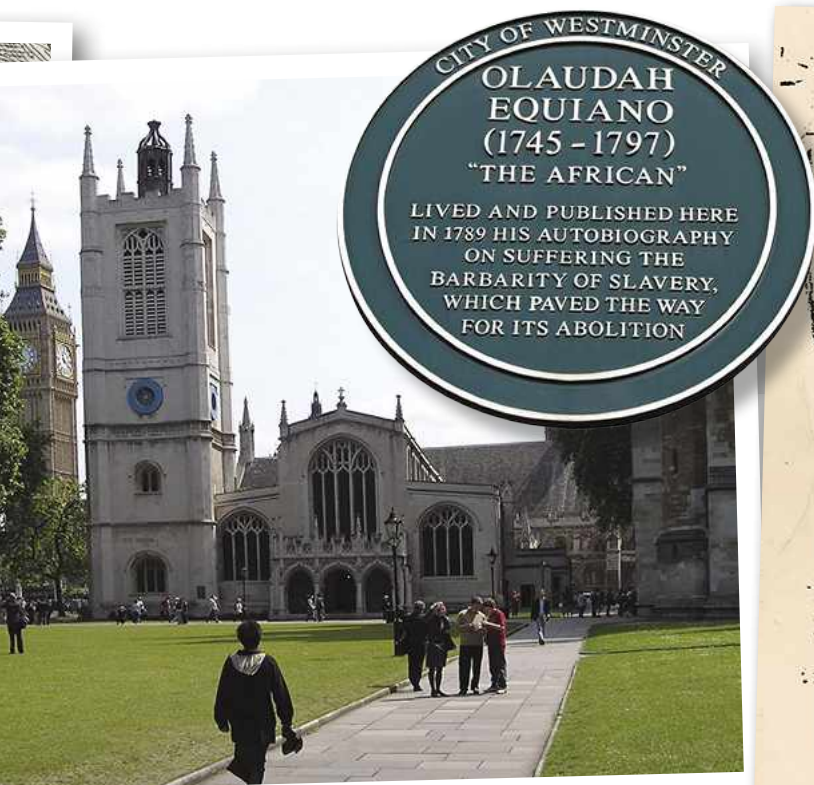
At first, Equiano feared the "white men with horrible looks, red faces, and loose hair," and he wrote later of the terror he felt as the ship pulled away from his homeland, and he was forced to come to terms with his uncertain future.

Death permeated the voyage to Barbados: he described children as nearly suffocating in "necessary tubs", while fatalities caused by flogging and starvation were frequent.

The fate of those sold into slavery lay in the hands of the masters, who "rush at once into the yard where the slaves

are confined, and make choice of that parcel they like best". Equiano, after failing to secure a bidder in Barbados, was quickly transported to Virginia, where he was purchased by Lieutenant Michael Pascal of the Royal Navy, for around £30-£40. After a further 13 weeks at





## 1759 SLAVE TO SCHOLAR

In London, Equiano attends school, learning to read and write. He is baptised into the Christian faith at St Margaret's Church, Westminster Abbey – his faith in God is a source of comfort throughout his life.

sea, Equiano set foot on English soil for the first time, aged just 12.

## LIFE IN ENGLAND

Upon his arrival in Falmouth, Equiano – who had been renamed Gustavus Vassa (after the 16th-century Swedish King) by his new master – began to adjust to his new life, observing English customs and discovering a deep interest in literacy. Books were a constant source of curiosity to him. Believing that he could converse with them, Equiano later described how he had “often taken up a book, and have talked to it, and then put my ears to it, when alone, in hopes it would answer me”. Snow, too, fascinated the young African, who, upon seeing it covering the deck of the ship on which he’d sailed to England, declared that someone had thrown salt over the vessel during the night.

But Equiano’s new life on land was to be a short-lived affair. War had broken out in 1754 – primarily between Britain and France – over competition for colonies and trading rights (known later as the Seven Years’ War), and Equiano was soon summoned to assist his master on board his ship, the *Roebeck*.

Equiano sailed the oceans with Pascal for some eight years, travelling to Holland, Nova Scotia, Pennsylvania, Scotland and the Caribbean in his service. Life on board was often hard for the slave – Equiano wrote of how he was made to fight with white men for sport – and he saw combat in a number of battles,



including the Siege of Louisbourg in Nova Scotia in 1758.

## A NEW DIRECTION

But it was during his time spent in London between naval engagements that Equiano gained the skills that were to change his life. Able to speak English acceptably, and no longer fearful of the white-skinned strangers who surrounded him, Equiano – now 14 – was

## LIFE IN CHAINS

ABOVE: Slave auctions were commonplace in colonial America – this advertisement promotes the sale of 170 young Guineans  
LEFT: African slaves were clapped in iron manacles, so there was no chance of escape

sent to school, where he learned to read and write. And it was during this period that Equiano discovered Christianity – a faith that was to guide him for the rest of his life. He was baptised in February 1759.

“I now not only felt myself quite easy with these new countrymen,” he later wrote, “but relished their society and manners. I no longer looked upon them as spirits, but as men superior to us; and therefore I had the stronger desire to resemble them; to imbibe their spirit, and imitate their manners...”

## OLAUDAH EQUIANO

**“I who had been a slave in the morning, trembling at the will of another, now became my own master, and completely free”**



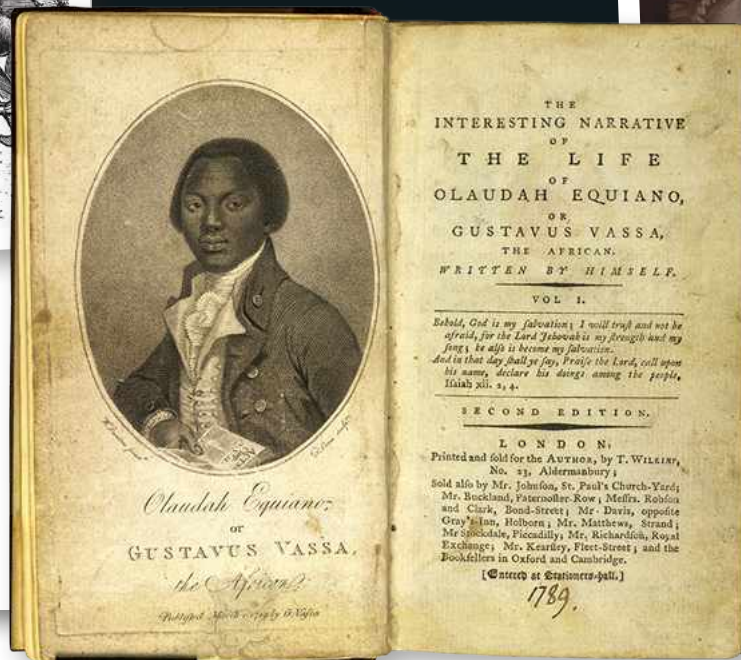


## 1766 WANDERLUST

Ten years after he was stolen from his home village, Equiano is able to buy his freedom – a privilege denied the majority of his fellow slaves. He spends the next two decades travelling the world on various trading ships, before finally returning to London.

## 1763 BRUTAL LIFE

Equiano is sold to Robert King in Montserrat. The young slave works with King on trading ships in the West Indies and on mainland America, earning money by trading on the side. He witnesses the brutality inflicted on slaves by their masters.



## 1788 ROYAL APPOINTMENT

As a prominent member of abolitionist group, the Sons of Africa, Equiano presents an anti-slave trade petition to Queen Charlotte.

– the latter as assistant to scientist Dr Charles Irving.

But no matter how successful he became, Equiano never forgot the plight of his fellow slaves, and, after returning to London in 1786,

added his voice to the growing movement to abolish slavery.

## FREEDOM FOR ALL

Equiano, together with members of London's black community, formed an abolitionist group: the Sons of Africa. The group campaigned tirelessly for abolition, working hard to dispel the many misconceptions held about Africans. In 1788, the former slave found himself standing before Queen Charlotte, wife of King George III. He presented her with a petition on behalf of his enslaved African brethren, beseeching her to take note of the tyranny and oppression of slavery in the West Indies. The publication of Equiano's autobiography, *The Interesting Narrative of the Life of Olaudah Equiano, Or Gustavus Vassa, The African*, in 1789, also did much to publicise the horrors of slavery, and he spent several months travelling and promoting his book.

Equiano finally settled down to raise a family in 1792, when he married Englishwoman Susannah Cullen in Soham, Cambridgeshire. The pair went on to have two daughters. His death in 1797, at the age of around 52, put an end to a truly remarkable life. Just ten years later, the Slave Trade Act was passed, making it illegal for British ships to carry enslaved peoples between Africa, the West Indies and America. 📍

OPEN LETTER BY JESSE JACKSON SNR, KWAME KWEI-ARMAH AND OTHERS, 2013  
“Seacole and Equiano should also be seen in the rich, often traumatic history of Britain as traditional figures: brave, courageous and inspiring.”



Equiano retained a firm belief that Pascal – the master who had shown him such kindness – would eventually free him from slavery, and he saved money in preparation for the event. But Equiano's dreams were to be shattered. Pascal accused him of planning an escape, and he was subsequently sold to James Doran, Captain of the *Charming Sally*, a ship bound for the West Indies. Equiano was devastated at being forced into yet further slavery, and upon landing in Montserrat in February 1763, the young African “called on death to relieve me from the horrors I felt and dreaded”. There, beneath the blazing West Indian sun, Equiano experienced the true misery of slavery. Robbed of his precious savings, Equiano's body was “mangled and torn” as he unloaded and loaded the ship of its cargo.

Three months later, Equiano's physical ordeal ended when he was sold again – this time to a prominent Quaker merchant named Robert King, under whose care he flourished. King even allowed Equiano to retain some of his

wages and often utilised him as a clerk, as well as a valet.

Although relatively content with his new life, Equiano remained horrified at the atrocities he saw inflicted upon his fellow slaves by their masters: rape – often involving children as young as 10 – violence, abuse and murder were all commonplace. “I have seen a negro man staked to the ground, and cut most shockingly, and then his ears cut off bit by bit... I have seen a negro beaten till some of his bones were broken, for even letting a pot boil over”, he wrote. These were images that would haunt him his whole life.

Equiano worked as a deckhand, valet and barber for King for some three years, quietly earning extra money by trading goods on the side until finally, in 1766, aged 21, he had earned enough money to buy his freedom.

As a free man, Equiano spent much of the next 20 years of his life travelling the world. He made several voyages aboard trading vessels, making trips to Turkey, Portugal, Italy, Jamaica, Grenada, North America, and even the Arctic



WHAT DO YOU THINK?

Should Olaudah Equiano be remembered as a hero?

Email: [editor@historyrevealed.com](mailto:editor@historyrevealed.com)

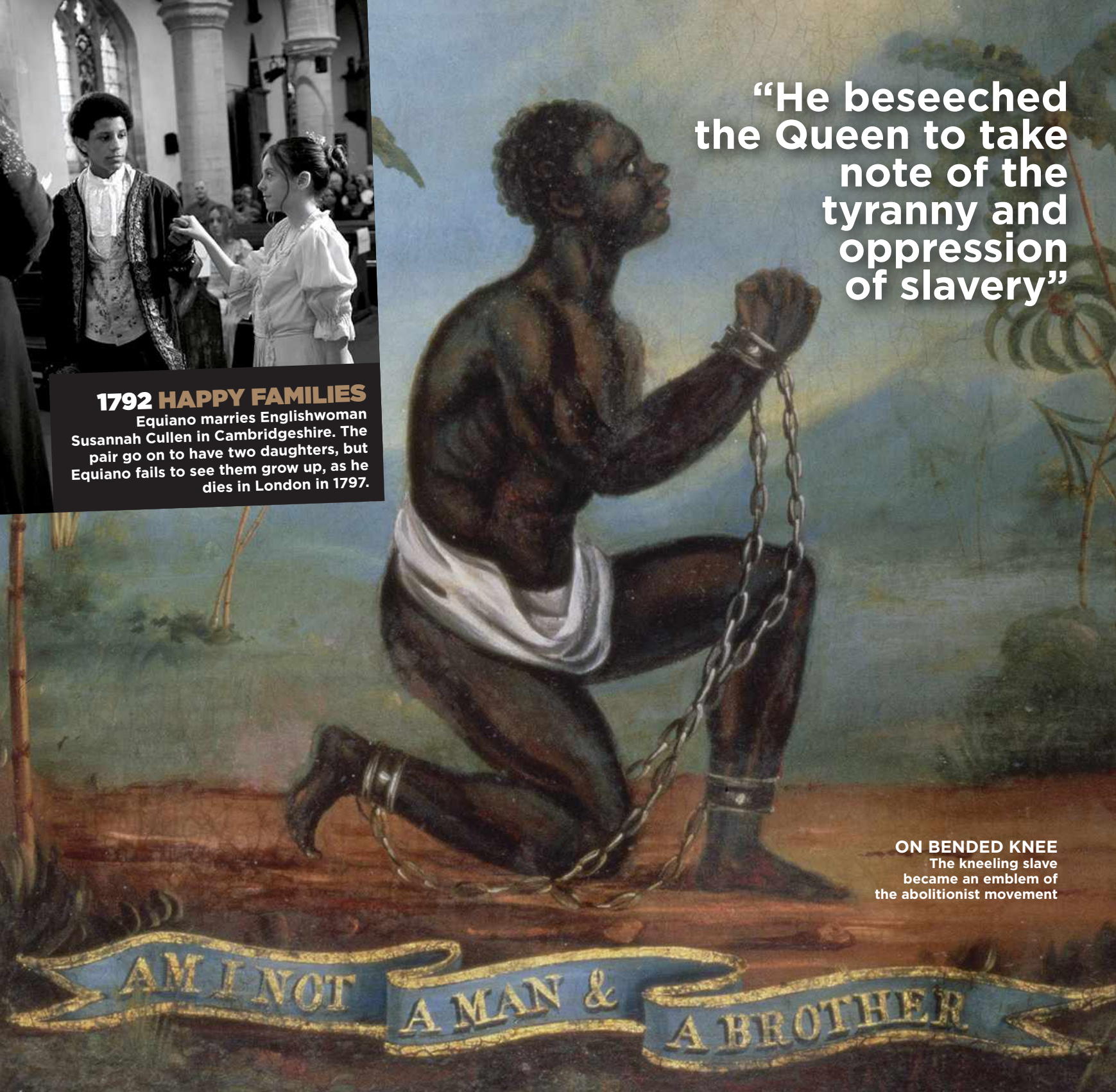




### 1792 HAPPY FAMILIES

Equiano marries Englishwoman Susannah Cullen in Cambridgeshire. The pair go on to have two daughters, but Equiano fails to see them grow up, as he dies in London in 1797.

“He beseeched the Queen to take note of the tyranny and oppression of slavery”



### ON BENDED KNEE

The kneeling slave became an emblem of the abolitionist movement

## SLAVERY ABOLISHED

## THE END OF BRITAIN'S DARKEST INDUSTRY

At the centre of the slave trade in the 18th century, Britain was responsible for the enslavement of millions of Africans. Though there were few slaves in Britain itself, it was common knowledge that captured Africans were sent to the colonies. The lucrative trade went largely unchallenged by the masses for 200 years.

However, around the 1780s, public opinion on the matter began to shift, thanks

to a number of factors. Seeing black soldiers fight for Britain in the American Revolutionary War (1775-1783) brought the general issue of slavery to the surface. Then, in 1781, a captain of a slave ship threw 130 of his captives overboard, in order to fraudulently claim the insurance on his 'cargo'. When the case went to court, the public suddenly became aware of the brutality of the trade. The campaigns of

Equiano, and his contemporaries, reinforced the newly revealed truth, and the public reacted. In total, 519 abolitionist petitions were presented to the Commons.

In the British Empire, the act of trading slaves was made illegal in 1807, which largely put an end to the practice of kidnapping Africans. But it wasn't until 1834 that slavery was abolished outright in the Empire.

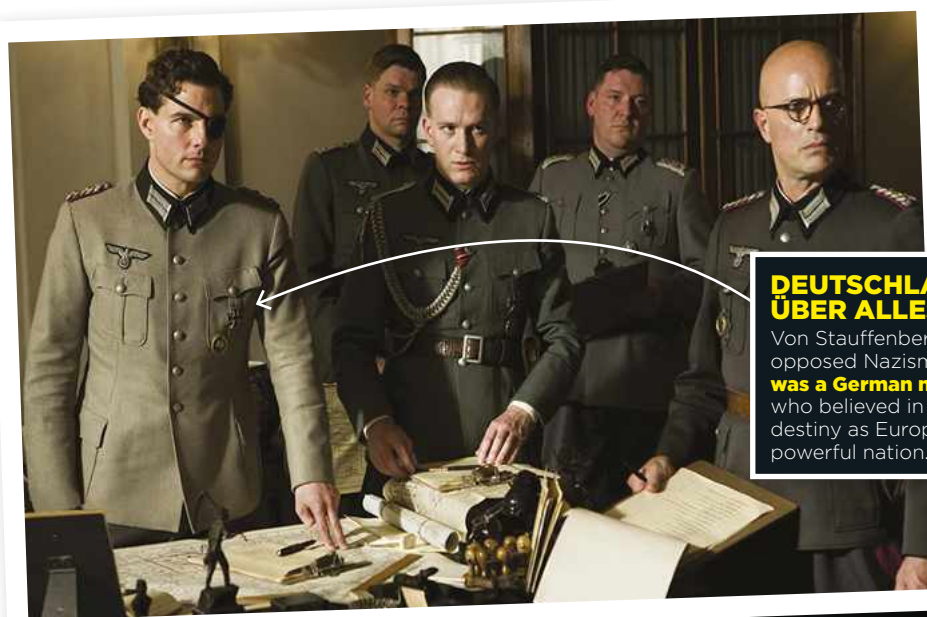


# Valkyrie

**Mark Glancy** unravels the conspiracy to kill Hitler that inspired one of the surprisingly few blockbusters about the Führer

The 20th July 1944 was a stiflingly hot day in the muggy forests of East Prussia, where Hitler plotted the progress of the war in his military headquarters known as the 'Wolf's Lair'. Hitler's generals dreaded their visits to this gloomy, isolated spot – one referred to it as “a cross between a monastery and a concentration camp” – but their attendance at the military briefings was compulsory. So just after noon on that day, in a conference hut with windows opened in the hope of a breeze, some 21 officers, two stenographers and the Führer himself sat down at a long and heavy oak conference table to consider the latest dispatches. The news was not good. Russian troops advancing along the Eastern Front were little more than 60 miles from the Wolf's Lair. To the west, the Allies had landed on the beaches of Normandy on 6 June, and established a long-awaited second front. Meanwhile in Germany itself, cities were pounded during the day by the American Air Force and at night by the Royal Air Force. Although no one was likely to admit it to Hitler, Germany's defeat now appeared inevitable, even if it was still many months away.

Colonel Claus von Stauffenberg was late arriving at this inevitably tense and reproachful meeting, but the distinguished and trusted officer took a seat less than two metres to the right of Hitler, placing his briefcase just beneath the edge of the conference table. Then, insisting that he needed to ring Berlin urgently, he suddenly left the room. Seven minutes later, the briefcase that he left behind exploded, blasting the table apart, sending flames through the room, and bringing down parts of the ceiling. Three officers and a stenographer were fatally wounded. Several more suffered from concussion, but most of the men around the conference table staggered out of the smoke-filled room in a state of shock. Hitler was among



## DEUTSCHLAND ÜBER ALLES

Von Stauffenberg may have opposed Nazism, but **he was a German nationalist** who believed in his country's destiny as Europe's most powerful nation.

## THE FACTS

**Release date:** 2008  
**Director:** Bryan Singer  
**Cast:** Tom Cruise, Kenneth Branagh, Bill Nighy, Tom Wilkinson, Terence Stamp, Eddie Izzard

the survivors. He had burns to his hair, his right arm and right leg, and he was bleeding. His clothes were in shreds and he had been thrown from his chair, leaving his backside “as blue as a baboon's behind”, as he later joked. But the bomb had not killed him, and he left the conference room determined to find and punish everyone involved in plotting his attempted assassination.

## THE PLOT THICKENS

Von Stauffenberg not only carried the two-pound bomb that nearly killed Hitler, he was also at the centre of a wider ring of conspirators who were determined to use the assassination of Hitler to spark a coup d'état that would bring down the Nazi regime. An unlikely traitor, von Stauffenberg belonged to an aristocratic German family that traced its lineage back to the 14th century. He was born at the family's castle in Swabia (south-west Germany) in 1907, and, in keeping with family custom, joined the army in 1926, receiving a commission in 1930. Like other traditional German officers, he was wary of the Nazis on the grounds

## “You can serve Germany or the Führer, not both”

**MAIN:** Herman Göring (in light uniform) examines the damage  
**ABOVE LEFT:** Tom Cruise's casting was unpopular in Germany due to him being a Scientologist

that they were his social inferiors who lacked the discipline and natural authority of the aristocracy. Nevertheless, when Hitler came to power, he took the oath of loyalty and obedience to the Führer that was required of all members of the German armed forces, promising to risk his own life in defence of Hitler's. He served enthusiastically in the invasion of Poland in 1939, believing the Poles to be “rabble” who should be colonized by Germany. He also served in the invasion of France in 1940, and was simultaneously impressed with Hitler's military acumen and alarmed by his seemingly limitless ambitions.

Von Stauffenberg's willingness to join the resistance and to plot Hitler's



**“The briefcase exploded, blasting the table apart, and bringing down parts of the ceiling.”**

**HITLER'S SPEECH**

Unlike the majority of the Nazis portrayed by the mostly **British and American actors**, David Bamber's Hitler speaks with a cod-German accent.



**Hitler later described his buttocks as being “as blue as a baboon’s behind”.**

ABOVE: Adolf Hitler (David Bamber) is helped away by his officers after the blast failed to kill him  
LEFT: The scorched uniform of one of his officers illustrates how lucky an escape the Führer had at the Wolf's Lair







#### FAMILY PLANNING

Von Stauffenberg's **wife and children knew nothing** of his plans, but in the aftermath of the assassination attempt **they were separated** and put into camps.

**“I will crush and destroy the criminals who have dared to oppose themselves to Providence and me”**

MAIN: Hitler makes a hospital visit to officers injured in the blast BELOW: Today, a memorial stands at Berlin's Bendlerblock, where the conspirators were executed on 21 July 1944

**“If I fail, they’ll come for you. They’ll come for all of you.”**

ABOVE: In *Valkyrie*, Tom Cruise's Claus von Stauffenberg warns his wife of the potential consequences of his actions

RIGHT: Von Stauffenberg came from a wealthy aristocratic German family, and remained a practicing Catholic even during Nazi rule



#### LOOKALIKE

Tom Cruise is said to have been attracted to the role due to **his physical resemblance** to Claus von Stauffenberg.

overthrow is likely to have grown in stages. The savagery of the invasion of the Soviet Union, with its mass executions of Jews, Russians and Ukrainians, disgusted him. From 1942, the increasing sense that Hitler was leading Germany into an abyss also hardened his resolve. The injuries he suffered in North Africa in 1943 were devastating – he lost two fingers on his left hand, his entire right hand, and his left eye – and yet they ultimately put him in a position to act. When he recovered, von Stauffenberg was appointed to a post in Germany's Reserve Army, where General Friedrich Olbricht had already developed a plot to use the Reserve Army's powers against Hitler. At the heart of this was Operation Valkyrie, a plan that invested military commanders with authority over all others, including the Gestapo and the

SS, in the event of a domestic uprising. Valkyrie was approved by Hitler on the grounds that it would allow the military to respond effectively to a revolt by foreign workers. But Olbricht and his fellow conspirators saw that if Hitler was assassinated, the resulting confusion could be used as a pretext to put Valkyrie into action and allow the military to overthrow the Nazi regime.

#### CATALOGUE OF ERRORS

In July 1944, von Stauffenberg was promoted to Chief of Staff of the Reserve Army, serving under General Friedrich Fromm. This was a position that brought him into regular contact with the increasingly reclusive Hitler. The assassination plot thus became viable and was put into action. Von Stauffenberg rehearsed his role

tirelessly: activating the bomb with his three remaining fingers was a particular challenge. However, while fate seems to have placed him in this unique position, there was much that went wrong on the day. Retreating to a changing room to activate the explosives, he was interrupted before he could complete the task on both of the two-pound bombs brought to the Wolf's Lair, and only one bomb was activated. Also, when von Stauffenberg left the conference room, one of the generals unknowingly pushed his briefcase further beneath the table, and behind one of the heavy oak beams, which shielded Hitler from the full force of the blast. And of course, the heat of the day



**COURT MARTIAL**  
General Fromm (Tom Wilkinson) was executed in March 1945





### PAYBACK TIME

A furious Hitler ordered anyone connected with the plot to be rounded up. The **Gestapo arrested some 7,000** people suspected of ties to the resistance, of whom **almost 5,000 were executed.**

### ON LOCATION

Permission was eventually given to **film at the Bendlerblock**, the building where von Stauffenberg was executed.



played its part, as all of the conference room windows had been thrown open. Had the windows been closed, and the blast contained within the room, the impact of the bombs would have been much more severe.

### CONFUSION REIGNS

After the explosion, von Stauffenberg fled from the Wolf's Lair. The sound of the blast convinced him that Hitler had been killed, and during his three-hour flight back to Berlin, he believed that Operation Valkyrie would proceed. By the time he arrived at the Reserve Army's offices in Berlin's Bendlerblock, however, rumours had begun to circulate that Hitler had survived. Von Stauffenberg's insistence that Hitler was dead, and that the plan therefore must proceed, was supported by some and opposed by others, and fighting broke out. Ultimately, General Fromm, who had known of the plans, seized

control and, seeking to clear his own name, ordered the immediate execution of von Stauffenberg and three other conspirators. In the early morning of 21 July 1944, they were shot in the courtyard of the Bendlerblock. Von Stauffenberg's possible last words – "Long live our sacred Germany" – testify to his love for his country, which led him to commit the ultimate act of treason under the Nazis, but allows him to be cast as a hero in *Valkyrie*. The film simplifies the man, characterizing him as an action hero rather than a German nationalist leading a military coup. But the story remains a gripping yarn, even as the plot inevitably unravels as it reaches its chaotic and messy ending. 📍



### WHAT DO YOU THINK?

How would history have been different had the plot to kill Hitler succeeded?

Email: [editor@historyrevealed.com](mailto:editor@historyrevealed.com)

## Ones to watch: Hitler

### *The Great Dictator*

(Charlie Chaplin, 1940)  
Chaplin's satirical talkie caused controversy as the US was still at peace with Nazi Germany.

### *Downfall*

(Oliver Hirschbiegel, 2004)  
Bruno Ganz portrays Hitler's final days in his bunker in this critically acclaimed German-language movie.

### *Inglorious Basterds*

(Quentin Tarantino, 2009)  
Brad Pitt stars in Quentin



**Bruno Ganz's harrowing performance as Hitler in *Downfall* is remarkable**

Tarantino's gory and historically ridiculous yarn of a plot to assassinate leading Nazis.





Want to enjoy more history? Our monthly guide to activities and resources is a great place to start

# HERE & NOW

HOW TO VISIT... LONG BARROWS 90 • BOOKS 94

## ON OUR RADAR

What's caught our attention this month...

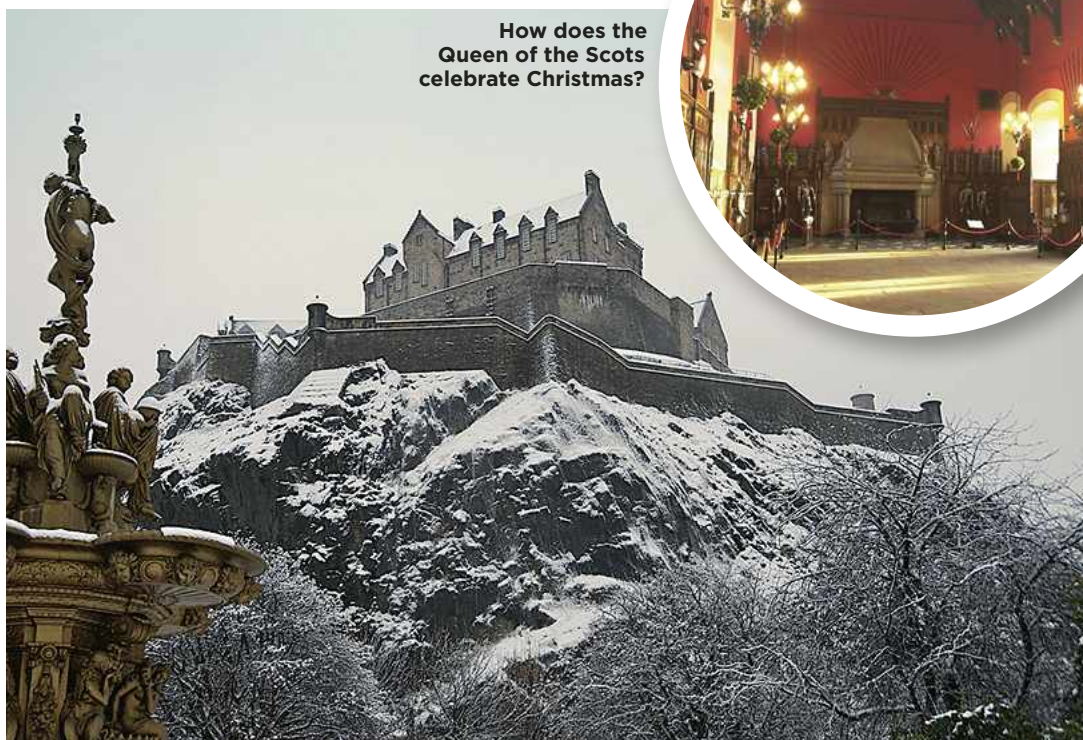
### EVENT

## Mary Christmas!

Visitors to Edinburgh Castle this Christmas time will be treated to a royal visit, as **Mary, Queen of Scots** will be holding court in the Great Hall, celebrating Christmas in the traditional 16th-century way.

Just **don't mention the Tudors** to her majesty. Mary – who was seen by many English Catholics as the legitimate heir to the throne of England – was imprisoned by Elizabeth I for over 18 years before being executed.

*There are four performances a day on 24 and 27-31 December, Edinburgh Castle*  
[www.edinburghcastle.gov.uk](http://www.edinburghcastle.gov.uk)



How does the Queen of the Scots celebrate Christmas?

### EXHIBITION

## War in the skies

Only 11 years after the first powered flight, planes were being used in **World War I**, changing forever the way war is waged. How air power was utilised and developed over the war is the focus of the RAF Museum's new exhibition, **opening 4 December**.

With replica aircraft, the courage and sacrifices of the men who took to the skies is evident through the exhibition.

*More info at*  
[rafmuseum.org.uk](http://rafmuseum.org.uk)



British, German and French aircraft are all on display



### HISTORICAL WALK

## Strolling through Bristol

A chance to see the locations that made Bristol one of Britain's **major ports** and centres of commerce.  
**18 December, 10.30. Book in advance on 0117 352 6600**

### TWITTER

**diggingthedirt**  
[@diggingthedirt](https://twitter.com/diggingthedirt)

This fun and informative account labels itself as **"Archaeology's answer to *Heat* magazine"** – it is a great way to keep up-to-date with the world of excavations.







## EXHIBITION

### On board Titanic

After a temporary closure in order to install new displays, an impressive exhibition on **RMS Titanic** is re-opening in Liverpool. Featuring letters from passengers and items **salvaged from the wreck**, it is a fitting tribute to the tragedy. **The reopened Titanic and Liverpool: the Untold Story is at the Merseyside Maritime Museum. Entry is free.**



Newcomer Lorenzo Richelmy stars in the titular role

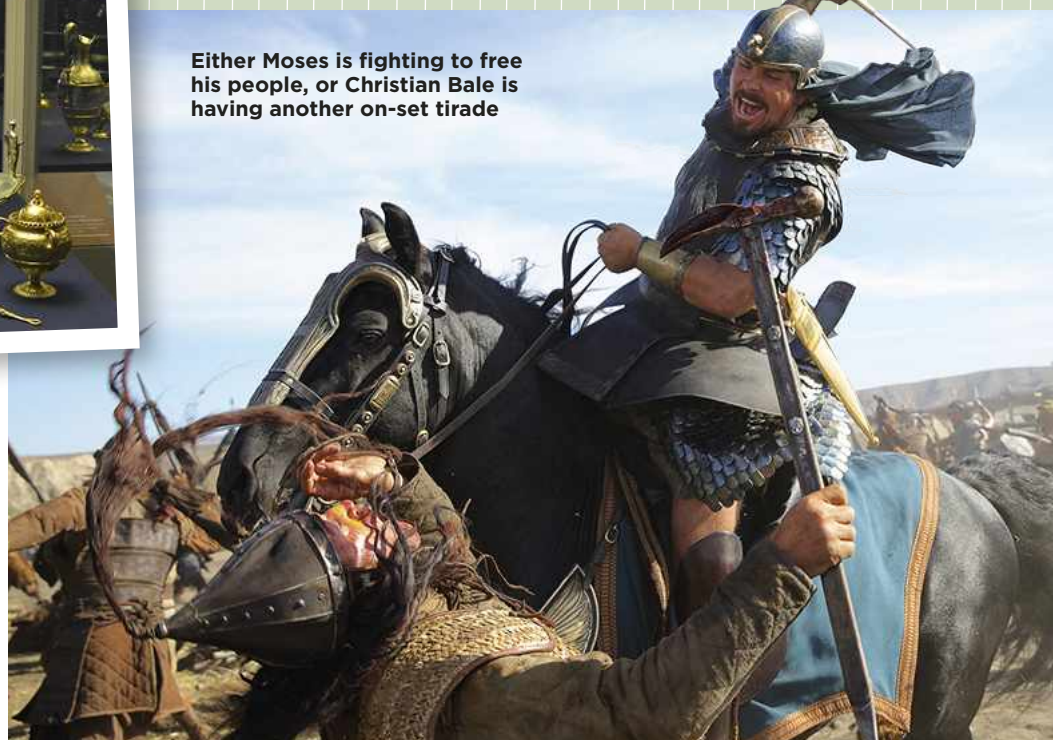
## TV

### The travels of Marco Polo

#### Marco Polo

Netflix, premieres 12 December

The latest original series from Netflix starts this December. The ten-part drama *Marco Polo* follows the **13th-century Italian explorer** as he travels to the court of the Mongol Emperor Kublai Khan. Described as "an epic, cinematic tale of power, adventure and betrayal", the series hopes to give **Game of Thrones** a run for its money.



Either Moses is fighting to free his people, or Christian Bale is having another on-set tirade

## FILM

### Let my people go!

#### Exodus: Gods and Kings

In cinemas 12 December

The **Biblical tale** of Moses leading his people from Egypt to the Promised Land is a well-told story, the latest attempt being Ridley Scott's

(*Gladiator, Kingdom of Heaven*) star-studded epic *Exodus: Gods and Kings*.

With stunning visuals (just wait for the parting of the Red Sea) and **Christian Bale in the lead role** facing off against Joel Edgerton's Ramesses, this is a more

**action-fuelled telling** than we've had before. But, even with a three-hour-plus runtime, it promises to be a compelling experience.

## TALK

### Stories from the Somme

As part of Cheshire's Great War Stories project, historian Alan Robinson is giving a talk on the horrific **Battle at the Somme** and stories from the survivors.

**3 December, 7.30 pm at Mollington Village Hall**  
[www.thegreatwarcheshire.co.uk](http://www.thegreatwarcheshire.co.uk)

## APP

#### Virtual History - Roma

£5.99/Arnoldo Mondadori

Walk through **Ancient Rome** with this absorbing and interactive 3D reconstruction.

## EXHIBITION

### Brilliant Blake

A major new exhibition on the artist and **revolutionary poet** William Blake.

**Apprentice and Master opens at the Ashmolean, Oxford, on 4 December** [www.ashmolean.org](http://www.ashmolean.org)

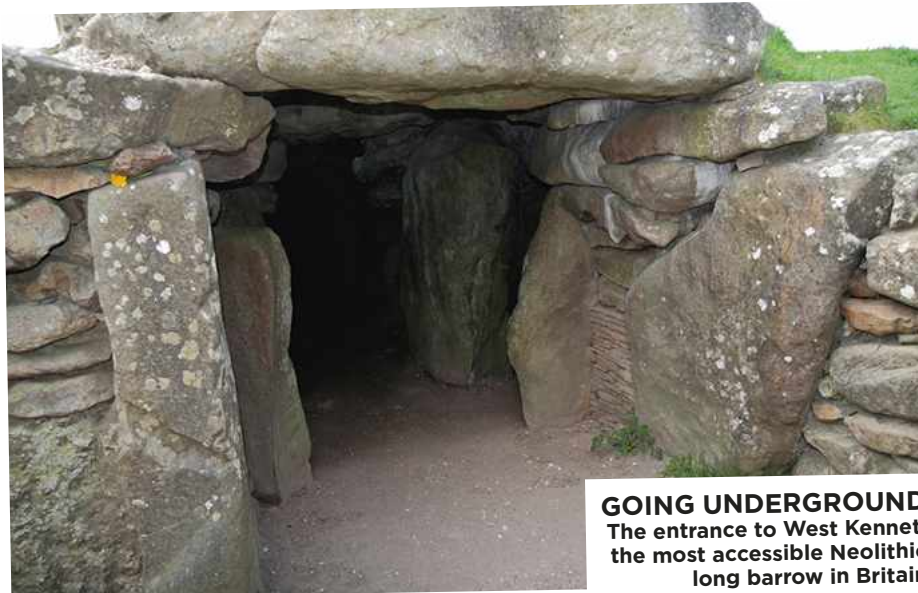


This illustrated copy of Blake's *Songs of Innocence* is on display

## ▶ ALSO LOOK OUT FOR

▶ Last chance to see *D-Day: the Last of the Liberators*, an exhibition marking the 70th anniversary at IWM Duxford, ends 31 December  
▶ *Masters of Light* starts at the Science Museum, London, on 2 December, displaying photos from the world's oldest photographic society





**GOING UNDERGROUND**  
The entrance to West Kennet,  
the most accessible Neolithic  
long barrow in Britain

### CORBEL VAULTING

Long barrows were built before the arch had been invented, so internal chambers were roofed by a process named 'corbel vaulting'. By piling up overlapping stones, it was possible to construct a sturdy roof.



### LATER BURIALS

Some long barrows around Britain were used for Bronze Age, Roman and even pagan Anglo-Saxon burials. When found, they tend to be along the sides of the long barrow.

## HOW TO VISIT...

# Long Barrows

Rupert Matthews explores the ancient burial sites of Britain that were built before the pyramids of Egypt...

**O**lder than Stonehenge, long barrows are the most ancient structures still standing in Britain, some dating back over 6,000 years. Although the massive edifices have been thoroughly excavated over the years, much about the long barrows remains mysterious.

Archaeological digs show long barrows began as large wooden huts surrounded by earth banks and palisades, later to be replaced by stone chambers covered over with mounds of earth or stones. They usually stand on or near the crests of prominent hills or ridges, so when first built, they would have been obvious landmarks visible for miles.

Their primary purpose was as burial centres. The dead were kept in long barrows for generations, perhaps for more than a thousand years, before the barrows were sealed or abandoned. It is usually thought these bodies were of the noble elite, but they may have come from a priestly caste, been sacrificial victims, battle casualties or perhaps everyone from a community was interred. With

no written records, we simply do not know. Their prominent position may mean long barrows had a secondary purpose as a land ownership marker – such a structure was a visible statement by a tribe or family.

The people who built long barrows were farmers, growing wheat and barley, and herding sheep and cattle. They also collected wild plant food from the woodlands. Life was harsh – most bodies found in long barrows belong to people aged under 30.

Long barrows were abandoned and forgotten c2400 BC, about the time bronze began to be used. In the thousands of years since, long barrows have suffered from erosion and, more recently, ploughing. But there are over 300 long barrows in Britain, more than the rest of Europe put together, with most found south of the Wash. Many are now protected monuments and well worth a visit.

### TURN OVER...

for six of the best  
long barrows to visit

## WEST KENNET Wiltshire

West Kennet is easily Britain's most visited long barrow, located in Wiltshire close to the enigmatic mound of Silbury Hill. It is one of the largest, most complete long barrows, measuring 100 metres in length and the huge sarsen stones that form the facade stand 3 metres tall. First constructed around 3650 BC, West Kennet was the location of numerous burials for 1,100 years before it was sealed. The long barrow has been excavated twice and has undergone restoration, but there are many more secrets to discover at West Kennet. [www.english-heritage.org.uk/daysout/properties/west-kennet-long-barrow](http://www.english-heritage.org.uk/daysout/properties/west-kennet-long-barrow)



### SIDE DITCHES

The mound was built using earth excavated from ditches running along the sides of the barrow. These may remain to this day as dips in the ground.

### AVENUE

Some long barrows have an avenue – parallel lines of ditches, stones or postholes leading to another nearby megalithic site or a river. West Kennet Avenue is near to the long barrow, but not visible in this shot.

### FORECOURT

In front of the entrance is often a small area surrounded by standing stones. The forecourt might also be paved and may have been a space where rituals were held.



### ORIENTATION

The entrance of many long barrows faces towards an astronomical feature. West Kennet, for instance, faces the rising Sun in midsummer.

### DRY STONE WALLING

In addition to large boulders, the facade and chambers were constructed by dry stone walling, as there was nothing to join the rocks together. Hundreds of small stones were carefully laid in interlocking patterns to compose the walls.



### CHAMBERS

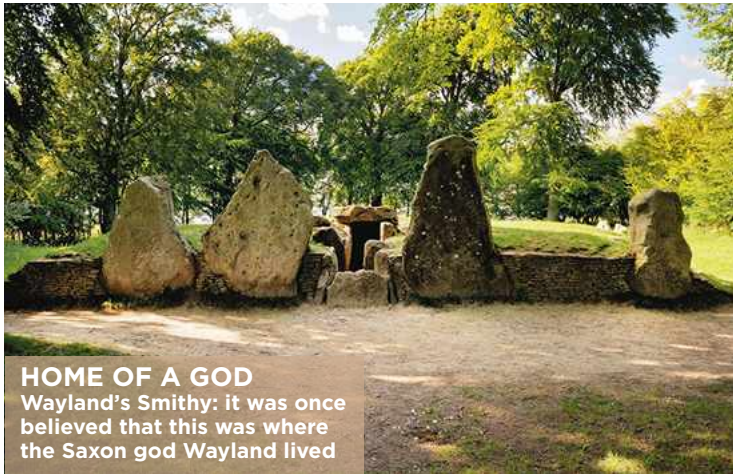
The internal chambers are usually laid out so that they form a shape similar to an isosceles triangle. This can be seen at West Kennet, with the rear slightly narrower than the front.

### DIG DAMAGE

During the 18th and 19th centuries, rumours spread that vast treasures were buried in the ancient long barrows. This led to extensive digging by would-be treasure hunters, the evidence of which can still be seen in dips and hollows in the ground. In the 17th century, bones were removed from West Kennet by Dr Toope so he could grind them up to make a 'cure-all' medicine.



## SIX OF THE BEST LONG BARROWS



**HOME OF A GOD**  
Wayland's Smithy: it was once believed that this was where the Saxon god Wayland lived

### WAYLAND'S SMITHY Oxfordshire

This long barrow got its name from Wayland, the smith god of the pagan English, but the structure is much older than that. It was begun in timber about 3600 BC, then rebuilt in stone

200 years later. The earth mound has gone, revealing the internal structure rarely seen at barrows. [www.english-heritage.org.uk/daysout/properties/waylands-smithy](http://www.english-heritage.org.uk/daysout/properties/waylands-smithy)

### ALL CANNINGS Wiltshire

Completed in the summer of 2014, All Cannings is the first long barrow to be built for over 4,000 years. It was constructed by local farmer Tim Daw using traditional techniques. The barrow contains five chambers and has already begun to serve as a columbarium – a burial place for cremated remains – for local people and others. [www.thelongbarrow.com](http://www.thelongbarrow.com)



### CAPO Aberdeenshire

Hiding amid woods above the River North Esk, Capo is well signposted, so is easy to find. The mound stretches for 80 metres, but what is buried there remains

a mystery. A geophysical survey was carried out recently, but Capo has not been excavated. [www.themodernantiquarian.com/site/5167/capo.html](http://www.themodernantiquarian.com/site/5167/capo.html)

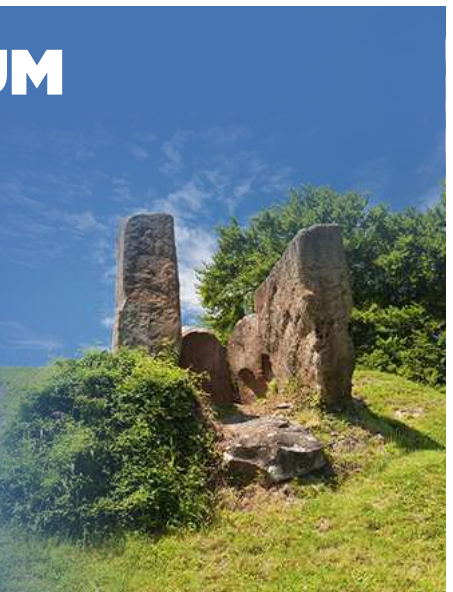
### COW GREEN Cumbria

This long barrow is high on a windswept hill overlooking the Cow Green reservoir near the Moor House-Upper Teesdale Nature Reserve. The Cow Green

long barrow is 2 metres high and around 33 metres wide. [www.themodernantiquarian.com/site/14954/cow\\_green\\_long\\_barrow.html](http://www.themodernantiquarian.com/site/14954/cow_green_long_barrow.html)

### COLDRUM Kent

Coldrum, in the care of the National Trust, organises an annual event on 1 May when local Morris Men perform a 'singing up the Sun' ceremony beside the long barrow. Coldrum is the best-preserved of the Kent barrows, the others having suffered badly from ploughing. [www.nationaltrust.org.uk/coldrum-long-barrow](http://www.nationaltrust.org.uk/coldrum-long-barrow)



### HESTON BRAKE Monmouthshire

This long barrow sits on a hilltop near Portskewett and offers stunning views south and east to the Severn Estuary and north to the ruins of a Roman town.

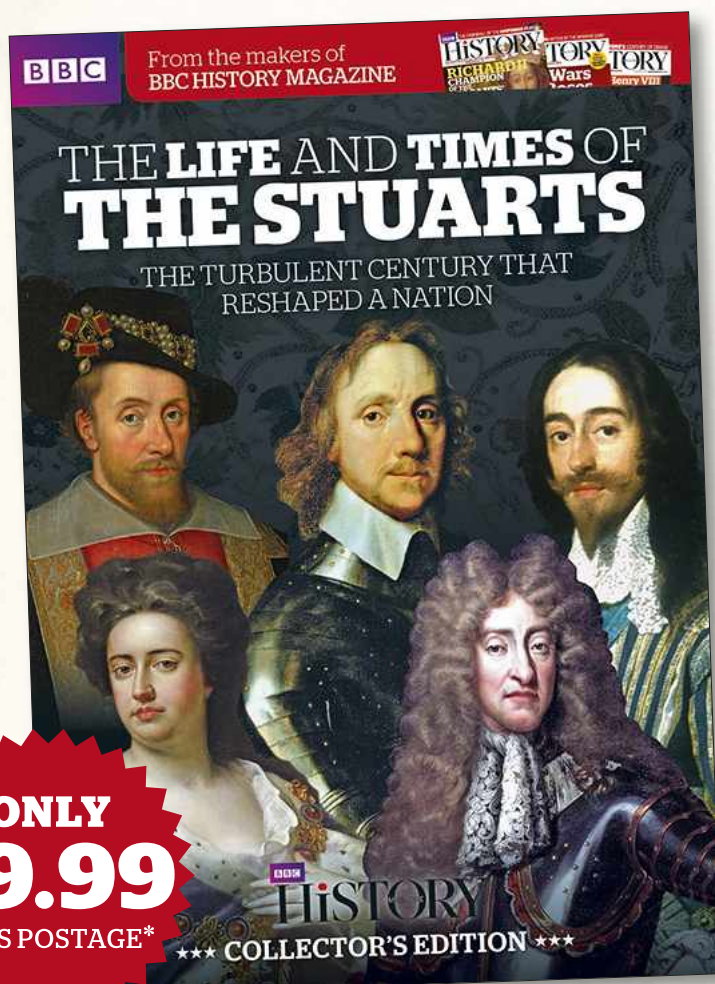
Heston Brake itself is reduced to a number of standing megaliths and remnants of the mound. [www.themodernantiquarian.com/site/2311/heston\\_brake.html](http://www.themodernantiquarian.com/site/2311/heston_brake.html)

**PUDDING STONES**  
Heston Brake is marked by pudding stones – boulders peppered with pebbles





# THE LIFE AND TIMES OF THE STUARTS



**ONLY  
£9.99**  
PLUS POSTAGE\*

FROM THE MAKERS OF

**BBC** **HiSTORY**  
MAGAZINE

*The Life and Times of the Stuarts* focuses on a nation-defining period of British history that is every bit as enthralling, dramatic and pivotal as that of Henry VIII and Elizabeth I. *BBC History Magazine* now turns its attention from *The Story of the Tudors* to the seismic changes that occurred within the British Isles during Stuart rule between 1603 and 1714.

## INSIDE YOU WILL FIND:

- The Gunpowder Plot
- The Civil War
- Charles I's execution
- Oliver Cromwell's rule
- The restoration of the monarchy
- The ousting of James II in the Glorious Revolution, and many other key events in British history!



Read in-depth analysis of major events, such as the massacre at Drogheda



Trace Puritan attempts to control the lives of ordinary people



Find out how Charles II courted the nation after the restoration

Order online [www.buysubscriptions.com/stuarts](http://www.buysubscriptions.com/stuarts)  
or call us on **0844 844 0388<sup>+</sup>** and quote **STUHA14**

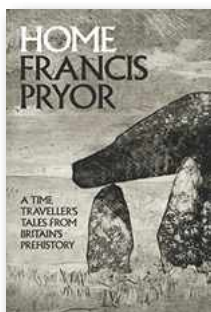
+ Calls to this number from a BT landline will cost no more than 5p per minute. Calls from mobiles and other providers may vary. Lines are open 8am-8pm weekdays & 9am-1pm Saturday.

\* Prices including postage are: £11.49 for UK residents, £12.99 for Europe and £13.49 Rest of World. All orders subject to availability. Please allow up to 21 days for delivery.



# BOOKS

## BOOK OF THE MONTH

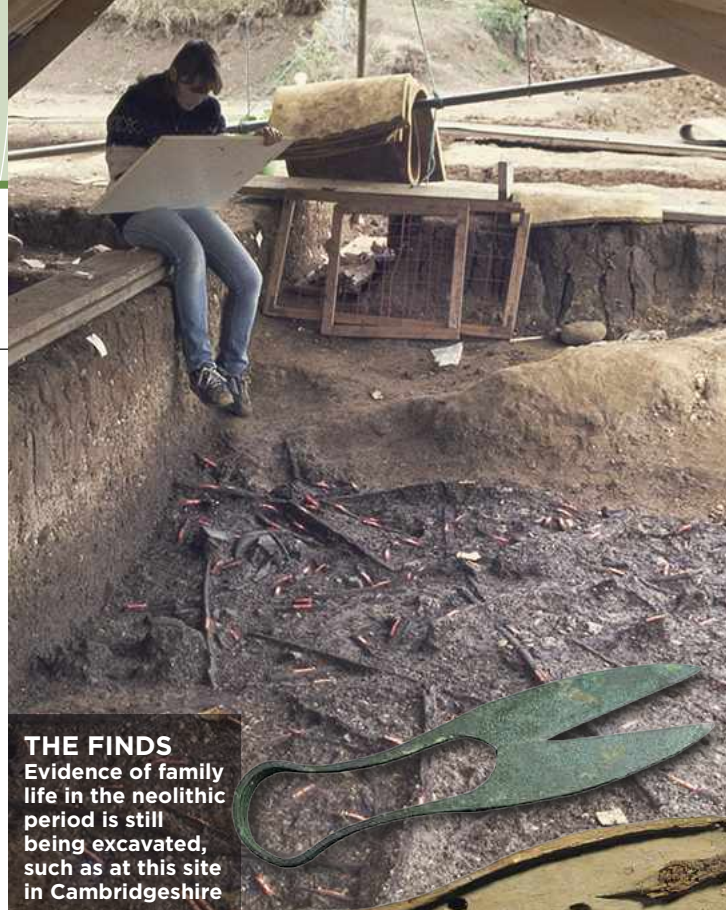


### Home: a Time Traveller's Tales from Britain's Prehistory

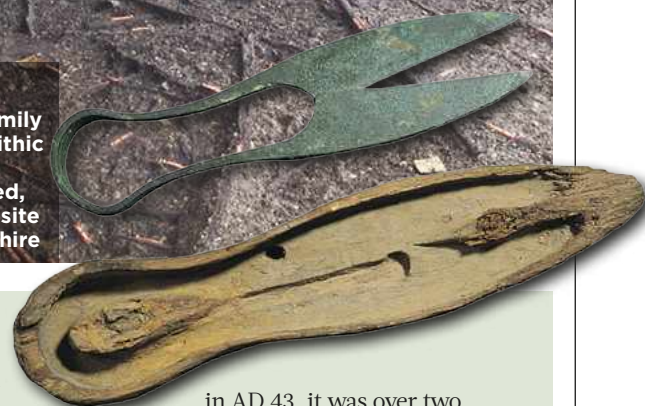
By Francis Pryor

Allen Lane, £20, 352 pages, hardback

We often think of the prehistoric past as so remote that it's impossible to compare it to our lives today. Yet, as archaeologist and broadcaster Francis Pryor explores in his excellently written, semi-autobiographical new book, the family was just as important then as it is now. By exploring what can we learn from the evidence left behind, Pryor also reveals the ways in which archaeology can tell us about 'ordinary' lives. Don't worry if all of this sounds a bit worthy: Pryor is a hugely entertaining writer, and manages to incorporate detours into the worlds of sheep farming and football fandom along the way.



**THE FINDS**  
Evidence of family life in the neolithic period is still being excavated, such as at this site in Cambridgeshire



### MEET THE AUTHOR

**Francis Pryor** combines extensive historical research with tales from his years of archaeology experience to uncover the origins of family life in prehistoric Britain

## "Family life has always been so important to us humans"

### What inspired the book, and why did you decide to write it the way you have?

I've had a lifelong interest in the way ordinary people lived their daily lives, but I knew, when I was writing this book, that a conventional series of descriptions wouldn't work. They're too remote, meaning

readers remain on the outside, looking in. I wanted to take my readers with me as I tried to experience what life might have been like such a long time ago.

My experiences as a farmer helped here: I'm quite certain, for example, that a Bronze Age shepherd or shepherdess would have felt the same emotions

when a lamb was born every spring as I do.

It's important to remember that they weren't stupid, either. They would have tried to ensure, for instance, that an ewe was milking – even if this meant unblocking and massaging teats. Things such as that are eternal and will always remain the same.

### What would family life have been like in prehistory?

The answer to that is simple: remarkably stable. Family life has always been, and always will be, so important to us humans.

### What were the biggest changes between the start of the period and the end?

The population of Britain at 9000 BC was around 10,000 people. By the time of the Roman Conquest

in AD 43, it was over two million. In the interval between these end points, prehistoric people created settlements, villages, roads, farms, fields, barrows, cemeteries, hillforts, henges and other ceremonial places. And towards the close of the Iron Age, they had created ports and larger villages that resembled towns of the Roman period.

These various expressions of communal identity had first to be created, then managed and maintained. It was a process that was initiated by the family. It is not until the Renaissance, the Reformation and the Enlightenment of the 17th and 18th centuries that we see the rise of social and political systems that are organised using different principles.

### What was the thing that most surprised you in the course of your research?

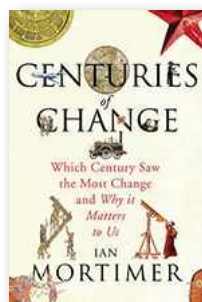
The similarities in customs and traditions that continued through successive millennia. Ancestors were building on the remarkable achievements of their forebears.



The neolithic settlement of Skara Brae in the Orkney Islands



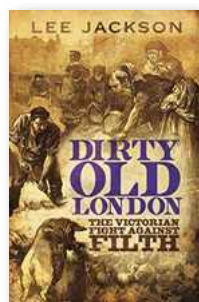
## THE BEST OF THE REST



### **Centuries of Change: Which Century Saw the Most Change and Why it Matters to Us**

by Ian Mortimer  
Bodley Head, £20,  
416 pages, hardback

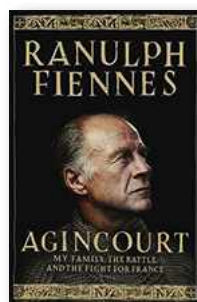
Starting in the 11th century and journeying to the present day, Mortimer considers the most impactful changes on civilisation. From disease to transport, technology to literature, it's an epic overview of human development.



### **Dirty Old London: the Victorian Fight Against Filth**

by Lee Jackson  
Yale University Press, £18.99,  
294 pages, hardback

Delve deep into Victorian London's dirty streets in this detailed, but enjoyably graphic, account of efforts to make life better for the British capital's growing population. Along the way, you'll encounter such delights as dung-filled alleys, uncollected rubbish and the wonderfully euphemistic 'night soil'.



### **Agincourt: My Family, the Battle, and the Fight for France**

by Ranulph Fiennes  
Hodder and Stoughton, £20,  
326 pages, hardback

Renowned explorer Ranulph Fiennes here navigates his own family tree, and the role that his ancestors played on both the French and English side, not only in the 1415 Battle of Agincourt, but going back to the days of William the Conqueror. It's an intimate, often wry, read.

## READ UP ON...

### ROMAN BRITAIN

#### **BEST FOR... A CLASSIC OVERVIEW**

#### **Roman Britain: a New History**

By Guy de la Bédoyère  
Thames and Hudson,  
£16.95, 288 pages,  
paperback



If you're looking to learn more about Britain under the rule of the Romans, this is a great place to start. Covering religion, politics, the military and domestic life, the book's case studies and illustrations help provide a detailed, accessible picture.

#### **BEST FOR... A GUIDED TOUR**

#### **Under Another Sky: Journeys in Roman Britain**

By Charlotte Higgins  
Vintage, £9.99,  
304 pages, paperback



Embark on a tour of Britain under Rome in this vibrant look at the country's culture and society of the period. Higgins takes a journey through space – both on foot and in a VW camper van – and time, tracing the changes wrought by Roman rule from 55 BC to AD 408.

#### **BEST FOR... A CRITICAL VIEW**

#### **UnRoman Britain: Exposing the Great Myth of Britannia**

By Miles Russell and Stuart Laycock  
The History Press, £15.99,  
256 pages, paperback



Did people in Britain ever truly see themselves as part of the Roman Empire? That's the question at the heart of this book, which argues that people in many areas of the country never accepted the Roman way of life – and others only pretended for personal gain.

## TREASURE TROVE



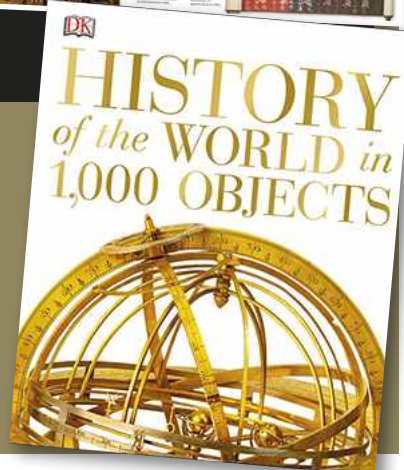
### **THE HUMAN STORY**

As you journey from the ancient to the present day, the 1,000 objects are beautifully illustrated with colour photos

### **History of the World in 1,000 Objects**

Dorling Kindersley, £25, 480 pages, hardback

The latest in a series of books or collections that attempt to capture history through objects, this packed visual guide offers an overview of human history through art, artefacts, maps and machines. Among the choices are the practical, the beautiful and the surprising poignancy – the classical figurines are compelling.

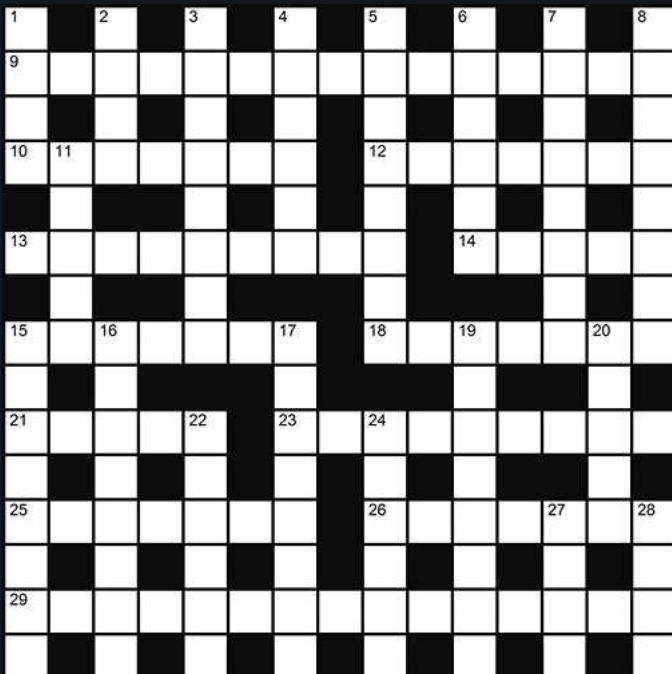




## CROSSWORD N° 10

If you think you know your history, put your knowledge to the test and you could win a prize

Set by Richard Smyth



## ACROSS

- 9** London plaza named after nobleman Robert Sidney (9,6)  
**10** Ancient Roman goddess of war, usually wearing a military helmet and a sword (7)  
**12** Submarine-launched ballistic missile first deployed in 1979 (7)  
**13** 2000 historical epic directed by Ridley Scott (9)  
**14** Baron von Krafft-\_\_\_\_ (1840-1902), pioneering German psychiatrist (5)  
**15** Dashing air ace created by author WE Johns (7)  
**18** \_\_\_\_ League, alliance of Greek towns founded in the 3rd century BC (7)  
**21** La \_\_\_\_, Spanish province formerly known as Logroño (5)

- 23** Neoclassical architectural style taught in Paris since the 17th century (5,4)  
**25** Frank \_\_\_\_ (1910-69), New York-born composer known for his Broadway hits (7)  
**26** City on the Tigris River, founded in AD 762 (7)  
**29** Region of the North Atlantic associated with strange disappearances (7,8)

## DOWN

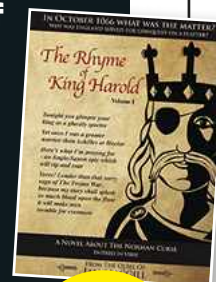
- 1** *The \_\_\_\_* (1958), horror film starring Steve McQueen (4)  
**2** \_\_\_\_ Canal, German waterway, originally named after Wilhelm I (4)  
**3** \_\_\_\_ Day, US holiday for the commemoration of those killed in the nation's wars (8)

- 4** Royal house of which James I was the first monarch and Anne the last (6)  
**5** South African city established in 1855 and named for a Boer statesman (8)  
**6** A knight's apprentice, servant and shield-bearer (6)  
**7** Synthetic resin patented in 1907, used in industry and consumer goods (8)  
**8** Headquarters of the US Department of Defense since the 1940s (8)  
**11** Zhou \_\_\_\_ (1898-1976), first Chinese premier (5)  
**15** The reluctant scrivener of Herman Melville's famous 1853 short story (8)  
**16** "There is no royal road to \_\_\_\_" - said by Greek mathematician Euclid (8)  
**17** Trans-\_\_\_\_ Railway, line from Moscow to Vladivostok, completed in 1904 (8)  
**19** Six-pointed star of historic significance to numerous religions and sects (8)  
**20** '*Per ardua ad \_\_\_\_*', Latin motto of the Royal Air Force, first used in 1912 (5)  
**22** Chinese city known for its traditional wax-printing and clothing industries (6)  
**24** German-born consort of Queen Victoria (6)  
**27** "The more one gets to know of men, the more one values \_\_\_\_" - said by French naturalist A. Toussenel (4)  
**28** \_\_\_\_ of Worms, 1521 assembly of the Holy Roman Empire (4)

## YOU COULD WIN...

## The Rhyme of King Harold

by Ian Macgill  
 A rhyming historical novel telling the story of how Harold Godwinson became King in 1066, written entirely in irreverent and enjoyable verse.  
**Published by Grapevine Publishing, hardback: £20, ebook: £12.99.**

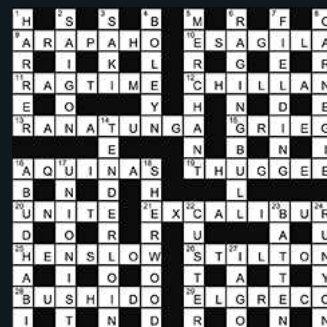


**BOOK WORTH £20 FOR THREE WINNERS**

## HOW TO ENTER

Post entries to **History Revealed, December 2014 Crossword, PO Box 501, Leicester LE94 0AA** or email them to **December2014@historyrevealedcomps.co.uk** by noon on **10 December 2014**. By entering, participants agree to be bound by the terms and conditions shown in the box below. Immediate Media Co Ltd, publishers of *History Revealed*, would love to keep you informed by post or telephone of special offers and promotions from the Immediate Media Co Group. Please write 'Do Not Contact IMC' if you prefer not to receive such information by post or phone. If you would like to receive this information by email, please write your email address on the entry. You may unsubscribe from receiving these messages at any time. For more about the Immediate Privacy Policy see the box below.

## SOLUTION N° 9



## CROSSWORD COMPETITION TERMS &amp; CONDITIONS

The competition is open to all UK residents (inc. Channel Islands), aged 18 or over, except Immediate Media Co Bristol Ltd employees or contractors, and anyone connected with the competition or their direct family members. By entering, participants agree to be bound by these terms and conditions and that their name and county may be released if they win. Only one entry per person.

The closing date and time is as shown under **How to Enter**, above. Entries received after that will not be considered. Entries cannot be returned. Entrants must supply full name, address and daytime phone number. Immediate Media Company (publishers of *History Revealed*) will only ever use personal details for the purposes of administering this competition, and will not publish them or provide them to anyone without permission. Read more about the Immediate Privacy Policy at [www.immediatemediaco.co.uk/privacy-policy](http://www.immediatemediaco.co.uk/privacy-policy).

The winning entrants will be the first correct entries drawn at random after the closing time. The prize and number of winners will be as shown on the Crossword page. There is no cash alternative and the prize will not be transferable. Immediate Media Company Bristol Limited's decision is final and no correspondence relating to the competition will be entered into. The winners will be notified by post within 28 days of the close of the competition. The name and county of residence of the winners will be published in the magazine within two months of the

closing date. If the winner is unable to be contacted within one month of the closing date, Immediate Media Company Bristol Limited reserves the right to offer the prize to a runner-up. Immediate Media Company Bristol Limited reserves the right to amend these terms and conditions or to cancel, alter or amend the promotion at any stage, if deemed necessary in its opinion, or if circumstances arise outside of its control. The promotion is subject to the laws of England. Promoter: Immediate Media Company Bristol Limited



**NEXT ISSUE**

ON SALE **11 DECEMBER 2014**

.....

# THE SEARCH FOR **KING ARTHUR**



**ALSO NEXT ISSUE...**

**CIVIL RIGHTS IN AMERICA** THE BATTLE OF  
TRAFALGAR **WILFRED THESIGER** GUNFIGHT AT  
THE OK CORRAL **1914 CHRISTMAS ARMISTICE**  
THE DARK AGES **Q&A** AND MUCH MORE...

ALAMY X1, THINKSTOCK XI

**HISTORY**  
REVEALED  **RY**  
Bringing the past to life





## BE MY GUEST

Every issue, we ask a well-known personality to choose five guests from history to invite to their fantasy dinner party. This month's host is writer, broadcaster and critic **Andrew Collins**

### MARK ROTHKO

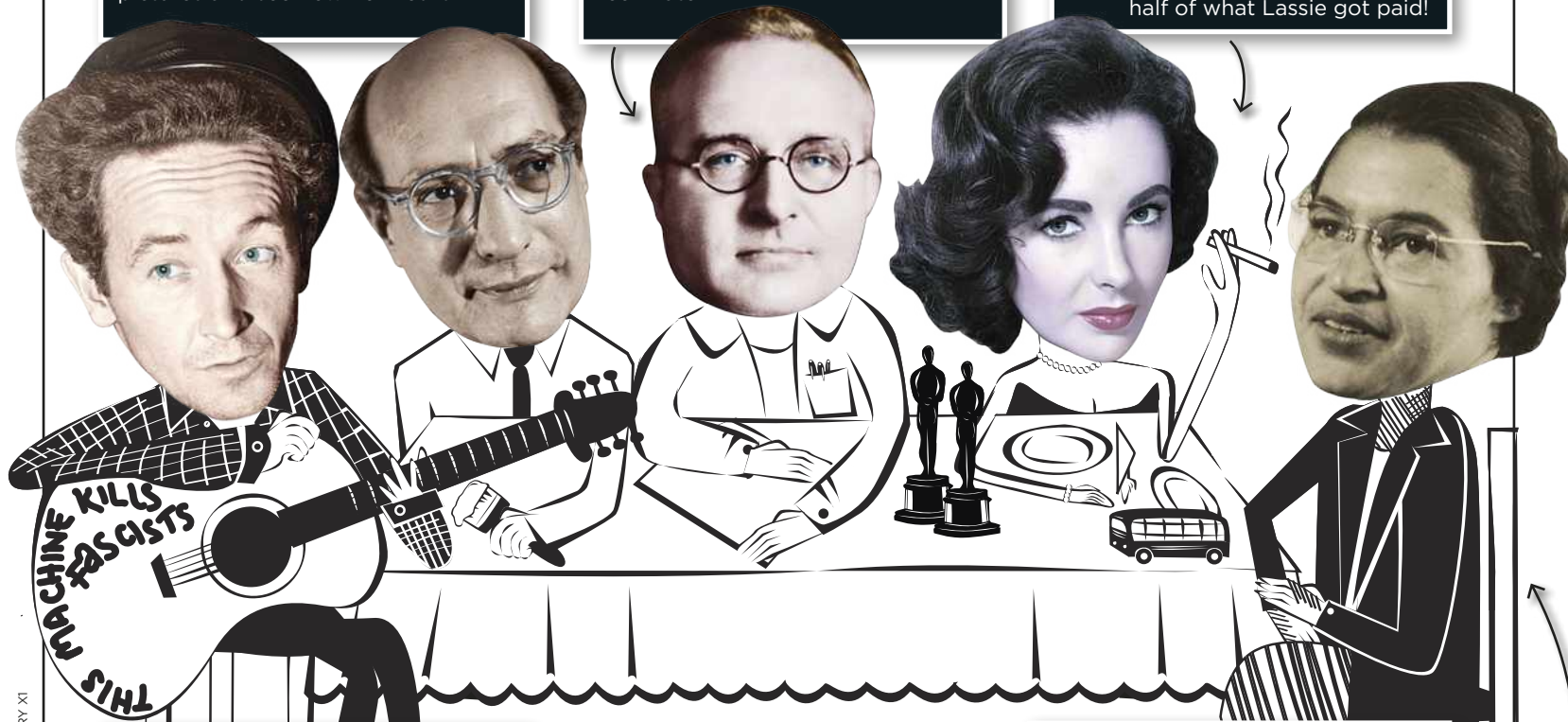
The best abstract impressionist painter who ever lived and a very reluctant superstar of the 1950s. One of his most famous commissions was for The Four Seasons restaurant in New York. He decided to make these big, gloomy paintings to, in his words, "ruin the appetite of every son-of-a-bitch who ever eats in that room". I'd put up big prints of his pictures and see how he likes it!

### THOMAS MIDGLEY

An American inventor who, when asked by General Motors to prevent 'knocking' in petrol tanks, realised if you put lead in petrol, the noise would stop. He also worked out a way of improving refrigerators by introducing CFCs into them. He died decades before they noticed the hole in the ozone layer, so it would be great to ask him "So, how do you feel mate?"

### ELIZABETH TAYLOR

You'd need a bit of glamour, so I'd invite probably the most glamorous Hollywood star of all time. She was the first woman to get paid a million dollars for a film - for *Cleopatra* - but I'd like her to tell me about being paid \$100 a week for appearing in *Lassie Come Home*. That was less than half of what Lassie got paid!



### WOODY GUTHRIE

I learned about Woody Guthrie when researching Billy Bragg's biography. He'd obviously have to bring his guitar or banjo and play *This Land Is Your Land*, his alternative national anthem. He would never have known how long his legacy would have lasted, so it would be nice to bring him back. He was a funny guy too. And I could ring up Billy Bragg and say "Guess who's at my house...?"

**"I THINK ROSA PARKS WOULDN'T MIND IF, FOR A LAUGH, YOU MOVED HER WHEN SHE SAT DOWN AT THE TABLE"**

### ROSA PARKS

One of the greatest figures in history - an ordinary person who refused to move on a bus so a white person could sit down. She helped change the world. And because she died happy, I think she wouldn't mind if, for a laugh, you moved her when she sat down at the table so Elizabeth Taylor could sit there. I genuinely think Rosa Parks would be up for that - she'd enjoy the joke!

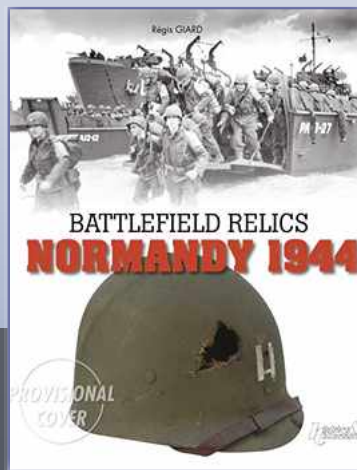




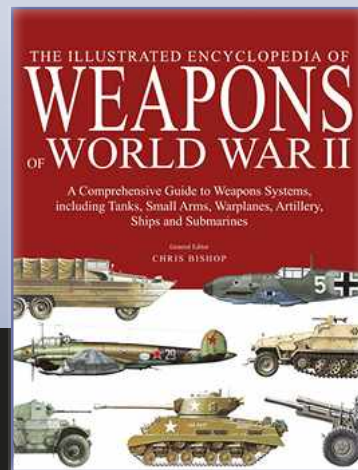
# CHRISTMAS GIFT IDEAS FROM CASEMATE | uk



9788362878956 | £13.99



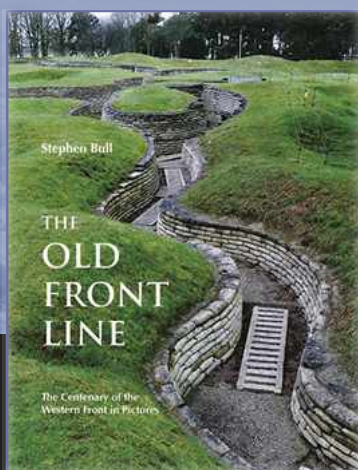
9782352503798 | £17.50



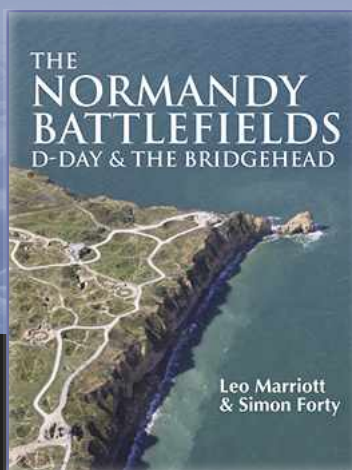
9781782741671 | £35.00

## HIGHLY ILLUSTRATED

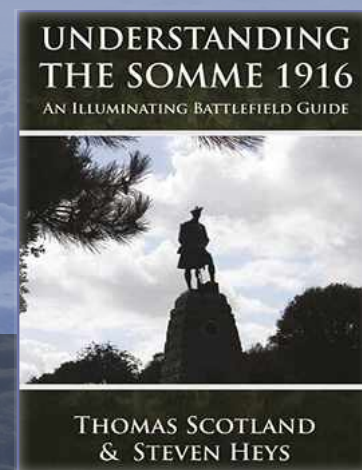
## BATTLEFIELD GUIDES



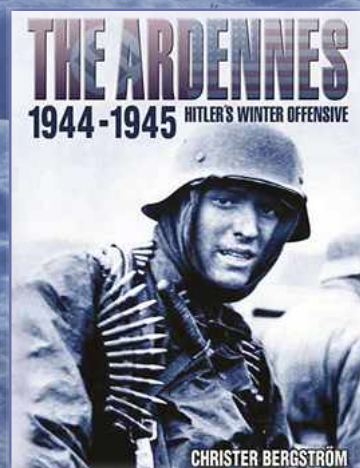
9781612002309 | £19.99



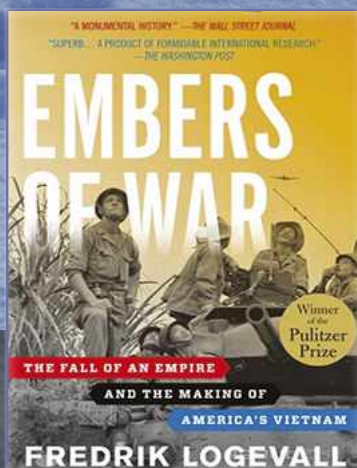
9781612002316 | £19.99



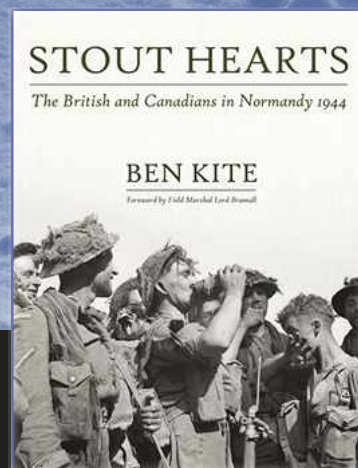
9781909384422 | £16.95



9781612002774 | £45.00



9780375756474 | £12.99



9781909982550 | £29.95

## READ ABOUT IT



# Over 200 years of history

9 million pages covering all aspects of life

## 1888

The Central News Office in London received a letter signed by 'Jack the Ripper'.



**THE TOP-HAT IN 1797.**  
The *Hatter's Gazette* reprints from an old journal, dated January 16th, 1797, the following amusing account of the wearing of the first silk hat in London:—"John Hetherington, haberdasher, of the Strand, was arraigned before the Lord Mayor yesterday on a charge of breach of the peace, and inciting to riot, and was required to give bonds in the sum of £500. It was in evidence that Mr. Hetherington, who is well connected, appeared on the public highway wearing upon his head what he called a silk hat (which was offered in evidence), a tall structure having a shiny lustre, and calculated to frighten timid people. As a matter

## 1797

A gentleman was arrested for breach of the peace after wearing the first top hat and causing several women to faint.



## 1926

A sheep found buried under 10 tons of coal was rescued and adopted as a mascot by the coal tippers at Swansea Docks.

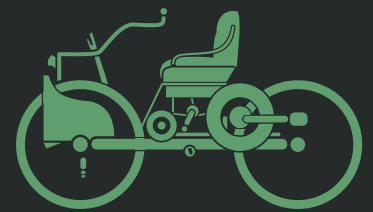


**THE NOTTINGHAM EVENING**  
FACSIMILES OF "JACK THE RIPPER'S" LETTER AND POST CARD.  
25 Sept. 1888.  
Dear Boss  
I keep on hearing the police have caught me, but they won't fix me just yet. I have laughed when they look so clever and talk about being on the right track. That joke about Leather Apron gave me real

**THE QUESTION OF HORSELESS CARRIAGES.**—At the Tunbridge Police-court, Mr. Walter Arnold, the owner of a horseless carriage, was summoned on four informations with reference to using a horseless carriage on the highway. The first was for using a locomotive without a horse from the County Council, the second for having less than three persons in charge of the same, the third for going at a greater rate than two miles an hour, and the fourth for not having his name and address placed on the machine. The evidence was that the carriage was going at the rate of eight miles an hour. Mr. Cripps, who defended, contended that the machine was not one contemplated when the Locomotive Acts were passed, and said that

## 1896

Walter Arnold became the first British person to be fined for speeding in January. He had been travelling at a reckless 8mph.



**WIMBLEDON, SAID SHE**  
man was her husband, about three years ago his possession. ce and was not heard The woman thought a handkerchief found said he was not satisfied an open verdict of "No evidence as to death was produced."  
**RY INJURIES**  
est held yesterday on a stockman, who was lead in a paddock at Herts, early on Sunday that he had a  
**SHEEP AS MASCOT**  
**Coal Tippers Adopt an Animal They Saved**  
The sheep which was found buried under ten tons of coal in a railway truck at Swansea Docks has been presented to the coal tippers by the animal's owner.  
This is in recognition and appreciation of the humane manner in which they cared for and treated the exhausted animal.  
When found it had apparently been in the truck six days, covered all the time by the coal.  
The coal tippers have decided to keep the animal as a mascot.  
**NEWPORT-PARIS**  
**Sick Woman's Journey by Motor and Plane**  
An aeroplane fitted as figured in a remarkable Newport (Mon.) to Paris yesterday in the space of minutes.  
The passenger, a sick

**GET YOUR FIRST MONTH FOR £1**

**Enter the code HISTORYDEC**

Offer valid until 31st December 2014



@BNArchive



TheBritishNewspaperArchive

[www.britishnewspaperarchive.co.uk](http://www.britishnewspaperarchive.co.uk)

**The British  
NEWSPAPER  
Archive**

One place, millions of stories

BRITISH  
LIBRARY